ORDER NO. BSD03100230
D25

Service Manual

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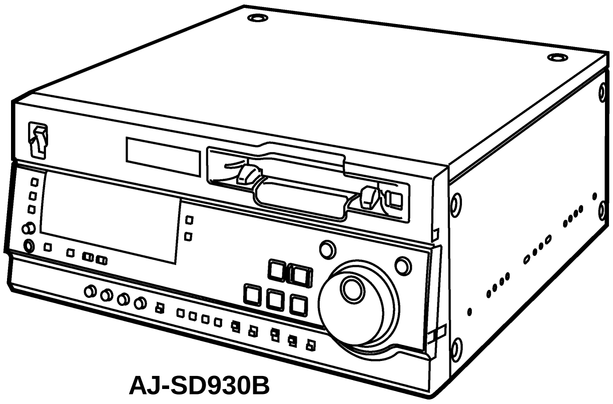
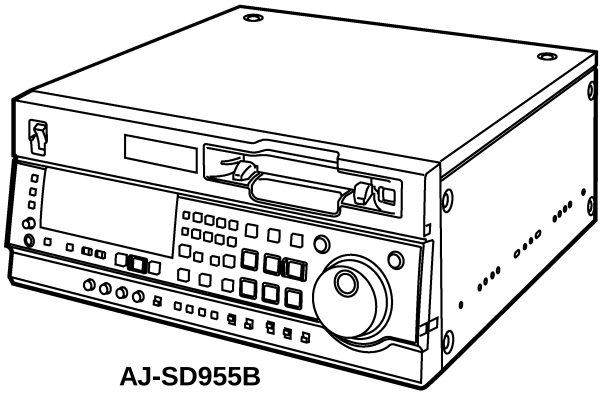
DVCPRO 50

Simplified

Digital Video Cassette Recorder

AJ-SD930BP/E
AJ-D930BMC
AJ-SD955BP/E
AJ-D955BMC


AJ-SD930B
AJ-D930B


AJ-SD955B
AJ-D955B

Please file and use this manual together with the service manual for Model No. AJ-SD930P, SD955AP, Order No. BSD0210M003-1

Panasonic

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⚠ WARNING

This service information is designed for experienced repair technicians only and is not designed for use by the general public. It does not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product. Products powered by electricity should be serviced or repaired only by experienced professional technicians. Any attempt to service or repair the product or products dealt with in this service information by anyone else could result in serious injury or death.

AJ-SD930BP, SD955BP

Specifications

[GENERAL]

Power supply:	AC 100 – 240 V, 50 – 60 Hz
Power consumption:	120 W (with all options)

▭ indicates safety information.

Operating ambient temperature:
41°F to 104°F (5°C to 40°C)

Operating ambient humidity:
10% to 80% (no condensation)

Weight:
AJ-SD930B : 32.78 lb (14.9 kg)
AJ-SD955B : 33.0 lb (15.0 kg)

Dimensions (W×H×D):
16 3/4×6 15/16×16 15/16 inch (424×175.2×430 mm)
(Not including the support legs, connectors, and JOG dial)

Recording format:
DVCPRO50/DVCPRO format selectable

Recording video signal:
AJ-SD930B : 525i system
AJ-SD955B : 525i/625i system selectable

Recording audio signal:
DVCPRO50:
  48 kHz 16-bit 4 channels
DVCPRO:
  48 kHz 16-bit 2 channels

Recording tracks:
Digital video audio:
  helical track
  The time code is recorded in the sub-code area.
Cue track:
  1 track
Control track:
  1 track

Tape speed:
[525i system]
  67.640 mm/sec (DVCPRO50)
[625i system] **SD955B**
  67.708 mm/sec (DVCPRO50)

Recording time:
92 minutes (using the AJ-5P92LP)
33 minutes (using the AJ-5P33MP)

Tape:
Metal tape

FF/REW time:
Less than 3 min (with AJ-5P92LP)
Less than 2 min (with AJ-5P33MP)

Digital slow:
–0.43× to +0.43×, +0.5×, +0.75× speed
(DVCPRO, DVCPRO50)

Editing accuracy:
±0 frames (using the time code)

Tape timer accuracy:
±1 frame (using the continuous CTL signal)

Servo lock time:
Less than 0.5 sec (color framing/standby ON)

[VIDEO]

■ Digital video

Sampling frequencies:
Y: 13.5 MHz, PB/PR: 6.75 MHz
(DVCPRO50)

Quantizing:
8 bits

Video compression method:
DV-Based compression (SMPTE 314M)

Video compression rate:
DVCPRO50: 1/3.3,
DVCPRO: 1/5

Error correction:
Reed-Solomon product code

Bit rate:
DVCPRO50: 50 Mbps,
DVCPRO: 25 Mbps

■ Digital IN/Analog component OUT

Video bandwidth:
[525i system]
  Y : 30 Hz to 5.75 MHz (±0.5 dB)
  PB/PR : 30 Hz to 2.75 MHz (±0.5 dB)
[625i system] **SD955B**
  Y : 25 Hz to 5.75 MHz (±1.0 dB)
  PB/PR : 25 Hz to 2.75 MHz (±1.0 dB)

S/N ratio:
Better than 60 dB (Y)

K factor:
Less than 1% (Y 2T)

Y/PB, PR delay:
Less than 10 ns

■ Video input connector

Analog component input (option):
BNC×3 (Y, PB, PR)
Y: 1.0 V [p-p], PB/PR: 0.486/0.7 V [p-p] switchable,
75Ω (75% color bar, 7.5% setup)

Analog composite input (option):
BNC×2, loop-through, 75Ω on/off
VIDEO:1.0 V [p-p] (75Ω)

Reference input:
Analog composite, BNC×2, loop-through, 75Ω on/off

SDI input:
BNC×2, active through, complies with SMPTE 259M-C standard

SDTI input (option):
BNC×1, complies with SMPTE 305M/321M standard

Specifications

[VIDEO]

■Video output connector

Analog component output:
BNC×3 (Y, PB, PR)
Y: 1.0 V [p-p], PB/PR: 0.486/0.7 V [p-p] switchable,
75Ω (75% color bar, 7.5% setup)

Analog composite output:
BNC×3, video 1, video 2 (video/WFM selectable), video 3 (superimpose on/off)

SDI output:
BNC×3, complies with SMPTE 259M-C standard
SDI 1, SDI 2, SDI 3 (superimpose on/off)

SDTI output (option):
BNC×2, complies with SMPTE 305M/321M standard

■Video signal adjustment

Video output gain:
±3 dB

Video output chroma gain:
±3 dB

Video output HUE (chroma phase):
±30°

Video output setup (black) level:
±14 IRE (±100 mV)

Video output sync phase:
±15 μsec

Video output SC phase:
±180°

[AUDIO]

■Digital audio

Sampling frequencies:
48 kHz (synchronous with video)

Quantizing:
16 bits

Frequency response:
20 Hz to 20 kHz ±1.0 dB (at the reference level)

Dynamic range:
Better than 90 dB (1 kHz, emphasis OFF, "A" weighted)

Distortion:
Less than 0.05% (1 kHz, emphasis OFF, reference level)

Crosstalk:
Less than –80 dB (1 kHz, between 2 channels)

Wow & flutter:
Below measurable limit

Headroom:
20 dB

De-emphasis:
T1 = 50 μsec, T2 = 15 μsec (auto on/off)

■Cue track

Frequency response:
300 Hz to 6 kHz ±3.0 dB (DVCPRO50)

[AUDIO]

■Audio input connector

Analog input (CH1, CH2, CH3, CH4):
XLR×4, 600Ω/high impedance selectable (factory setting: high impedance), +4/0/–20 dBu selectable

Digital input (CH1/CH2, CH3/CH4):
BNC×2, AES/EBU format

SDI input:
BNC×2, active through, complies with SMPTE 259M-C/272M-A standard

■Audio output connector

Analog output (CH1, CH2, CH3, CH4):
XLR×4, low impedance, +4/0/–20 dBu selectable

Digital output (CH1/CH2, CH3/CH4):
BNC×2, AES/EBU format,
75Ω, 1.0 ± 0.2 V [p-p]

SDI output:
BNC×3, 75Ω, complies with SMPTE 259M-C/272M-A standard

Monitor output:
XLR×2, low impedance, +4/0/–20 dBu selectable

Headphones:
Stereo mini jack, 8Ω, variable level

[Other Input/Output Connectors]

Time code input:
XLR×1, 0.5 V to 8.0 V [p-p], 10 kΩ

Time code output:
XLR×1, low impedance, 2.0 V ± 0.5 V [p-p]

RS-422A input:
D-sub 9-pin, RS-422A interface

RS-422A output:
D-sub 9-pin, RS-422A interface

RS-232C:
D-sub 25-pin, RS-232C interface

Parallel input/output:
D-sub 25-pin

Encoder remote:
D-sub 15-pin

Weight and dimensions when shown are approxlmately.
Speclilcailons are subject to change without notice.

Specifications

[GENERAL]

Power supply: AC 100 – 240 V, 50 – 60 Hz
Power consumption: 120 W (with all options)

☐ indicates safety information.

Operating ambient temperature:
5°C to 40°C

Operating ambient humidity:
10% to 80% (no condensation)

Weight:
14.9 kg (AJ-SD930B)
15.0 kg (AJ-SD955B)

Dimensions (W×H×D):
424×175.2×430 mm
(Not including the support legs, connectors, and JOG dial)

Recording format:
DVCPRO50/DVCPRO format selectable

Recording video signal:
AJ-SD930B : 625i system
AJ-SD955B : 525i/625i system selectable

Recording audio signal:
DVCPRO50:
48 kHz 16-bit 4 channels
DVCPRO:
48 kHz 16-bit 2 channels

Recording tracks:
Digital video audio:
helical track
The time code is recorded in the sub-code area.
Cue track:
1 track
Control track:
1 track

Tape speed:
[625i system]
67.708 mm/sec (DVCPRO50)
[525i system] **SD955B**
67.640 mm/sec (DVCPRO50)

Recording time:
92 minutes (using the AJ-5P92LP)
33 minutes (using the AJ-5P33MP)

Tape:
Metal tape

FF/REW time:
Less than 3 min (with AJ-5P92LP)
Less than 2 min (with AJ-5P33MP)

Digital slow:
–0.43× to +0.43×, +0.5×, +0.75× speed
(DVCPRO, DVCPRO50)

Editing accuracy:
±0 frames (using the time code)

Tape timer accuracy:
±1 frame (using the continuous CTL signal)

Servo lock time:
Less than 0.5 sec (colour framing/standby ON)

[VIDEO]

■Digital video

Sampling frequencies:
Y: 13.5 MHz, PB/PR: 6.75 MHz
(DVCPRO50)

Quantizing:
8 bits

Video compression method:
DV-Based compression (SMPTE 314M)

Video compression rate:
DVCPRO50: 1/3.3,
DVCPRO: 1/5

Error correction:
Reed-Solomon product code

Bit rate:
DVCPRO50: 50 Mbps,
DVCPRO: 25 Mbps

■Digital IN/Analogue component OUT

Video bandwidth:
[625i system]
Y : 25 Hz to 5.75 MHz (±0.5 dB)
PB/PR : 25 Hz to 2.75 MHz (±0.5 dB)
[525i system] **SD955B**
Y : 30 Hz to 5.75 MHz (±1.0 dB)
PB/PR : 30 Hz to 2.75 MHz (±1.0 dB)

S/N ratio:
Better than 60 dB (Y)

K factor:
Less than 1% (Y 2T)

Y/PB, PR delay:
Less than 10 ns

■Video input connector

Analogue component input (option):
BNC×3 (Y, PB, PR)
Y: 1.0 V [p-p], PB/PR: 0.7 V [p-p],
75Ω (100% colour bar)

Analogue composite input (option):
BNC×2, loop-through, 75Ω on/off
VIDEO:1.0 V [p-p] (75Ω)

Reference input:
Analogue composite, BNC×2, loop-through, 75Ω on/off

SDI input:
BNC×2, active through, complies with ITU-R BT.656-4 standard

SDTI input (option):
BNC×1, complies with SMPTE 305M/321M standard

Specifications

[VIDEO]

■ Video output connector

Analogue component output:
BNC × 3 (Y, PB, PR)
Y: 1.0 V [p-p], PB/PR: 0.7 V [p-p],
75Ω (100% colour bar)

Analogue composite output:
BNC × 3, video 1, video 2 (video/WFM selectable), video 3 (superimpose on/off)

SDI output:
BNC × 3, complies with ITU-R BT.656-4 standard
SDI 1, SDI 2, SDI 3 (superimpose on/off)

SDTI output (option):
BNC × 2, complies with SMPTE 305M/321M standard

■ Video signal adjustment

Video output gain:
±3 dB

Video output chroma gain:
±3 dB

Video output chroma phase (HUE):
±30°

Video output black (setup) level:
±100 mV (±14 IRE)

Video output sync phase:
±15 µsec

Video output SC phase:
±180°

[AUDIO]

■ Digital audio

Sampling frequencies:
48 kHz (synchronous with video)

Quantizing:
16 bits

Frequency response:
20 Hz to 20 kHz ±1.0 dB (at the reference level)

Dynamic range:
Better than 90 dB (1 kHz, emphasis OFF, "A" weighted)

Distortion:
Less than 0.05% (1 kHz, emphasis OFF, reference level)

Crosstalk:
Less than –80 dB (1 kHz, between 2 channels)

Wow & flutter:
Below measurable limit

Headroom:
18 dB

De-emphasis:
T1 = 50 µsec, T2 = 15 µsec (auto on/off)

■ Cue track

Frequency response:
300 Hz to 6 kHz ±3.0 dB (DVCPRO50)

[AUDIO]

■ Audio input connector

Analogue input (CH1, CH2, CH3, CH4):
XLR × 4, 600Ω/high impedance selectable (factory setting: high impedance), +4/0/–20 dBu selectable

Digital input (CH1/CH2, CH3/CH4):
BNC × 2, AES/EBU format

SDI input:
BNC × 2, active through, complies with ITU-R BT.656-4 standard

■ Audio output connector

Analogue output (CH1, CH2, CH3, CH4):
XLR × 4, low impedance, +4/0/–20 dBu selectable

Digital output (CH1/CH2, CH3/CH4):
BNC × 2, AES/EBU format,
75Ω, 1.0 ± 0.2 V [p-p]

SDI output:
BNC × 3, 75Ω, complies with ITU-R BT.656-4 standard

Monitor output:
XLR × 2, low impedance, +4/0/–20 dBu selectable

Headphones:
Stereo mini jack, 8Ω, variable level

[Other Input/Output Connectors]

Time code input:
XLR × 1, 0.5 V to 8.0 V [p-p], 10 kΩ

Time code output:
XLR × 1, low impedance, 2.0 V ± 0.5 V [p-p]

RS-422A input:
D-sub 9-pin, RS-422A interface

RS-422A output:
D-sub 9-pin, RS-422A interface

RS-232C:
D-sub 25-pin, RS-232C interface

Parallel input/output:
D-sub 25-pin

Encoder remote:
D-sub 15-pin

Weight and dimensions when shown are approxlmately.
Speclilcailons are subject to change without notice.

SAFETY PRECAUTIONS

GENERAL GUIDELINES

1. When servicing, observe the original lead dress. If a short circuit is found, replace all parts, which have been over-heated or damaged by the short circuit.
2. After servicing, see to it that all the protective devices such as insulation barriers, insulation papers shields are properly installed.
3. After servicing, make the following leakage current checks to prevent the customer from being exposed to shock hazards.

LEAKAGE CURRENT COLD CHECK

1. Unplug the AC cord and connect a jumper between the two prongs on the plug.
2. Measure the resistance value, with an ohm meter, between the jumpered AC plug and each exposed metallic cabinet part on the equipment such as screwheads, connectors, control shafts, etc. The resistance value must be more than 5MΩ.

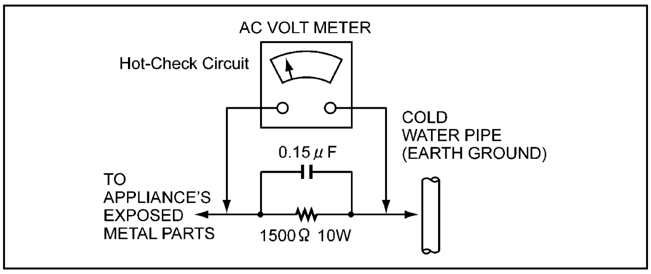


Figure1

LEAKAGE CURRENT HOT CHECK (See Figure 1)

1. Plug the AC cord directly into the AC outlet.
   Do not use an isolation transformer for this check.
2. Connect a 1.5KΩ, 10W resistor, in parallel with a 0.15μ F capacitor, between each exposed metallic part on the set an a good earth ground such as a water pipe, as shown in Figure1.
3. Use an AC voltmeter, with 1000 ohms/volt or more sensitivity, to measure the potential across the resistor.
4. Check each exposed metallic part, and measure the voltage at each point.
5. Reverse the AC plug in the AC outlet repeat each of the above measurements.
6. The potential at any point should not exceed 0.15 volts RMS. A leakage current tester (Simpson Model 229 equivalent) may be used to make the hot checks, leakage current must not exceed 0.1 milliamp. In case a measurement is outside of the limits specified, there is a possibility of a shock hazard, and the equipment should be repaired and rechecked before it is returned to the customer.

ABOUT LEAD FREE SOLDER (PbF)

Distinction of Pbf PCB:
PCBs (manufactured) using lead free solder will have a PbF stamp on the PCB.

Caution:

1. Pb free solder has a higher melting point than standard solder; Typically the melting point is 50–70˚F (30-40˚C) higher. Please use a high temperature soldering iron. In case of the soldering iron with temperature control, please set it to 700±20˚F (370±10˚C).
2. Pb free solder will tend to splash when heated too high (about 1100˚F/600˚C).

ELECTROSTATICALLY SENSITIVE (ES) DEVICES

Some semiconductor (solid state) devices can be damaged easily by static electricity. Such components commonly are called Electrostatically sensitive (ED) Devices. Examples of typical ES devices are integrated circuits and some field-effect transistors and semiconductor "chip" components. The following techniques should be used to help reduce the incidence of component damage caused by static electricity.

1. Immediately before handling any semiconductor component or semiconductor-equipped assembly, drain off any electrostatic charge on your body by touching a known earth ground.
   Alternatively, obtain and wear a commercially available discharging wrist trap device, which should be removed for potential shock reasons prior to applying power to the unit under test.
2. After removing an electrical assembly equipped with ES devices, place the assembly on a conductive surface such as aluminum foil, to prevent electrostatic charge buildup or exposure of the assembly.
3. Use only a grounded tip soldering iron to solder or unsolder ES devices.
4. Use only an anti-static solder removal device classified as "anti-static" can generate electrical charges sufficient to damage ES devices.
5. Do not use freon-propelled chemicals. These can generate electrical charges sufficient to damage ES devices.
6. Do not remove a replacement ES device from its protective package until immediately before you are ready to install it.
   (most replacement ES devices are package with leads electrically shorted together by conductive foam, aluminum foil or comparable conductive material).
7. Immediately before removing the protective material from the leads of a replacement ES device, touch the protective material to the chassis or circuit assembly into which the device will be installed.
   CAUTION: Be sure no power is applied to the chassis or circuit, and observe all other safety precautions.
8. Minimize bodily motions when handling unpackaged replacement ES devices. (Otherwise hamless motion such as the brushing together of your clothes fabric or the lifting of your foot from a carpeted floor can generate static electricity sufficient to damage an ES device).

X-RADIATION

WARNING

1. The potential source of X-radiation in EVF sets is the High Voltage section and the picture tube.
2. When using a picture tube test jig for service, ensure that jig is capable of handling 10kV without causing X-Radiation.

Note: It is important to use an accurate periodically calibrated high voltage meter.

3. Measure the High Voltage. The meter (electric type) reading should indicate 2.5kV, ±0.15kV. If the meter indication is out of tolerance, immediate service and correction is required to prevent the possibility of premature component failure. To prevent an X-Radiation possibility, it is essential to use the specified picture tube.

IMPORTANT

"Unauthorized recording of copyrighted television programs, video tapes and other materials may infringe the right of copyright owners and be contrary to copyright laws."

CAUTION

RISK OF ELECTRIC SHOCK DO NOT OPEN

CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK,
DO NOT REMOVE COVER (OR BACK).
NO USER SERVICEABLE PARTS INSIDE.
REFER TO SERVICING TO QUALIFIED SERVICE PERSONNEL.

The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (service) instructions in the literature accompanying the appliance.

■ THIS APPARATUS MUST BE GROUNDED

To ensure safe operation the three-pin plug must be inserted only into a standard three-pin power outlet which is effectively grounded through normal household wiring. Extension cords used with the equipment must be three-core and be correctly wired to provide connection to the ground. Incorrectly wired extension cords can be extremely hazardous.

The fact that the equipment operates satisfactorily does not imply that it is grounded, and the installation is not necessarily safe. For your safety, if in any doubt about the effective grounding of the equipment or power outlet, please consult a qualified electrician.

CAUTION:

THE AC OUTLET (MAINS SOCKET) SHALL BE INSTALLED NEAR THE EQUIPMENT AND SHALL BE EASILY ACCESSIBLE.

WARNING:

TO REDUCE THE RISK OF FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS EQUIPMENT TO RAIN OR MOISTURE.

TO REDUCE THE RISK OF FIRE OR SHOCK HAZARD, KEEP THIS EQUIPMENT AWAY FROM ALL LIQUIDS-USE AND STORE ONLY IN LOCATIONS WHICH ARE NOT EXPOSED TO THE RISK OF DRIPPING OR SPLASHING LIQUIDS, AND DO NOT PLACE ANY LIQUID CONTAINERS ON TOP OF THE EQUIPMENT.

CAUTION:

Do not install or place this unit in a bookcase, built-in cabinet or any other confined space in order to maintain adequate ventilation. Ensure that curtains and any other materials do not obstruct the ventilation to prevent risk of electric shock or fire hazard due to overheating.

CAUTION:

TO REDUCE THE RISK OF FIRE OR SHOCK HAZARD AND ANNOYING INTERFERENCE, USE THE RECOMMENDED ACCESSORIES ONLY.

CAUTION:

TO REDUCE THE RISK OF FIRE OR SHOCK HAZARD, REFER MOUNTING OF THE OPTIONAL INTERFACE BOARD TO QUALIFIED SERVICE PERSONNEL.

CAUTION:

TO REDUCE THE RISK OF FIRE OR SHOCK HAZARD, REFER CHANGE OF SWITCH SETTING INSIDE THE UNIT TO QUALIFIED SERVICE PERSONNEL.

CAUTION:

- **Keep the temperature inside the rack to between 41°F to 104°F (5°C to 40°C).**
- **Bolt the rack securely to the floor so that it will not topple over when VTR is drawn out.**

FCC Note:

This device complies with Part 15 of the FCC Rules. To assure continued compliance follow the attached installation instructions and do not make any unauthorized modifications.

This equipment has been tested and found to comply with the limits for a class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

CAUTION:

This apparatus can be operated at a voltage in the range of 100 – 240 V AC.

Voltage other than 120 V is not intended for U.S.A. and Canada.

CAUTION:

Operation at a voltage other than 120 V AC may require the use of a different AC plug. Please contact either a local or foreign Panasonic authorized service center for assistance in selecting an alternate AC plug.

CAUTION:

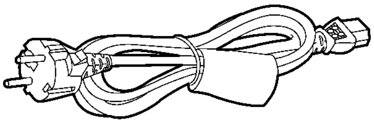
Even when the Power Switch is in the OFF position, a small current flows the filter circuit.

▭ indicates safety information.

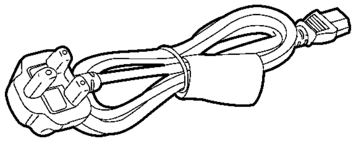
Caution for AC Mains Lead

FOR YOUR SAFETY PLEASE READ THE FOLLOWING TEXT CAREFULLY.
This product is equipped with 2 types of AC mains cable. One is for continental Europe, etc. and the other one is only for U.K.
Appropriate mains cable must be used in each local area, since the other type of mains cable is not suitable.

FOR CONTINENTAL EUROPE, ETC.
Not to be used in the U.K.



FOR U.K. ONLY
If the plug supplied is not suitable for your socket outlet, it should be cut off and appropriate one fitted.



FOR U.K. ONLY

This appliance is supplied with a moulded three pin mains plug for your safety and convenience.
A 13 amp fuse is fitted in this plug.
Should the fuse need to be replaced please ensure that the replacement fuse has a rating of 13 amps and that it is approved by ASTA or BSI to BS1362.
Check for the ASTA mark ◈ or the BSI mark ♡ on the body of the fuse.

If the plug contains a removable fuse cover you must ensure that it is refitted when the fuse is replaced.
If you lose the fuse cover the plug must not be used until a replacement cover is obtained.
A replacement fuse cover can be purchased from your local Panasonic Dealer.

IF THE FITTED MOULDED PLUG IS UNSUITABLE FOR THE SOCKET OUTLET IN YOUR HOME THEN THE FUSE SHOULD BE REMOVED AND THE PLUG CUT OFF AND DISPOSED OF SAFELY. THERE IS A DANGER OF SEVERE ELECTRICAL SHOCK IF THE CUT OFF PLUG IS INSERTED INTO ANY 13 AMP SOCKET.

If a new plug is to be fitted please observe the wiring code as shown below.
If in any doubt please consult a qualified electrician.
WARNING: THIS APPLIANCE MUST BE EARTHED.
IMPORTANT: The wires in this mains lead are coloured in accordance with the following code:

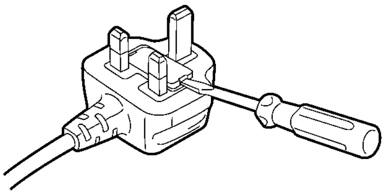
Green-and-Yellow:	Earth
Blue:	Neutral
Brown:	Live

As the colours of the wires in the mains lead of this appliance may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows:

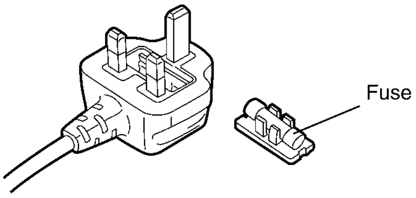
- The wire which is coloured GREEN-AND-YELLOW must be connected to the terminal in the plug which is marked with the letter E or by the Earth symbol ⏚ or coloured GREEN or GREEN-AND-YELLOW.
- The wire which is coloured BLUE must be connected to the terminal in the plug which is marked with the letter N or coloured BLACK.
- The wire which is coloured BROWN must be connected to the terminal in the plug which is marked with the letter L or coloured RED.

How to replace the fuse

1. Open the fuse compartment with a screwdriver.



2. Replace the fuse.



▭ indicates safety information.

IMPORTANT

"Unauthorized recording of copyrighted television programmes, video tapes and other materials may infringe the right of copyright owners and be contrary to copyright laws."

Operating precaution

Operation near any appliance which generates strong magnetic fields may give rise to noise in the video and audio signals. If this should be the case, deal with the situation by, for instance, moving the source of the magnetic fields away from the unit before operation.

■ THIS APPARATUS MUST BE EARTHED

To ensure safe operation the three-pin plug must be inserted only into a standard three-pin power point which is effectively earthed through the normal house-hold wiring.

Extension cords used with the equipment must be three-core and be correctly wired to provide connection to earth. Wrongly wired extension cords are a major cause of fatalities.

The fact that the equipment operates satisfactorily does not imply that the power point is earthed and that the installation is completely safe. For your safety, if in any doubt about the effective earthing of the power point, consult a qualified electrician.

■ DO NOT REMOVE PANEL COVER BY UNSCREWING.

To reduce the risk of electric shock, do not remove cover. No user serviceable parts inside.

Refer servicing to qualified service personnel.

CAUTION:

THE AC OUTLET (MAINS SOCKET) SHALL BE INSTALLED NEAR THE EQUIPMENT AND SHALL BE EASILY ACCESSIBLE.

WARNING:

TO REDUCE THE RISK OF FIRE OR SHOCK HAZARD, KEEP THIS EQUIPMENT AWAY FROM ALL LIQUIDS-USE AND STORE ONLY IN LOCATIONS WHICH ARE NOT EXPOSED TO THE RISK OF DRIPPING OR SPLASHING LIQUIDS, AND DO NOT PLACE ANY LIQUID CONTAINERS ON TOP OF THE EQUIPMENT.

CAUTION:

TO REDUCE THE RISK OF FIRE OR SHOCK HAZARD AND ANNOYING INTERFERENCE, USE THE RECOMMENDED ACCESSORIES ONLY.

CAUTION:

TO REDUCE THE RISK OF FIRE OR SHOCK HAZARD, REFER MOUNTING OF THE OPTIONAL INTERFACE BOARD TO AUTHORIZED SERVICE PERSONNEL.

CAUTION:

TO REDUCE THE RISK OF FIRE OR SHOCK HAZARD, REFER CHANGE OF SWITCH SETTING INSIDE THE UNIT TO QUALIFIED SERVICE PERSONNEL.

CAUTION:

Do not install or place this unit in a bookcase, built-in cabinet or any other confined space in order to maintain adequate ventilation. Ensure that curtains and any other materials do not obstruct the ventilation to prevent risk of electric shock or fire hazard due to overheating.

CAUTION:

Even when the Power Switch is in the OFF position, a small current flows the filter circuit.

CAUTION:

- **Keep the temperature inside the rack to between 5°C to 40°C.**
- **Bolt the rack securely to the floor so that it will not topple over when VTR is drawn out.**

▭ indicates safety information.

Panasonic

SECTION 1

SERVICE INFORMATION

CONTENTS

9. DIAG MENU DISPLAY....INF-1

    9-1. DIAG-MENU Operation Method INF-1

    9-2. DIF STATUS Information Display....INF-2

    9-3. UMID Information Display....INF-2

13. SERVICE MENU....INF-3

    13-3. Service Menu Contents INF-3

        PB ADJUST (DVCPRO 50M ADJUST, DVCPRO 25M ADJUST sub-screen)....INF-3

        RP ADJUST (DVCPRO 50M ADJUST, DVCPRO 25M ADJUST, DV ADJUST subscreen).....INF-3

9. DIAG MENU DISPLAY

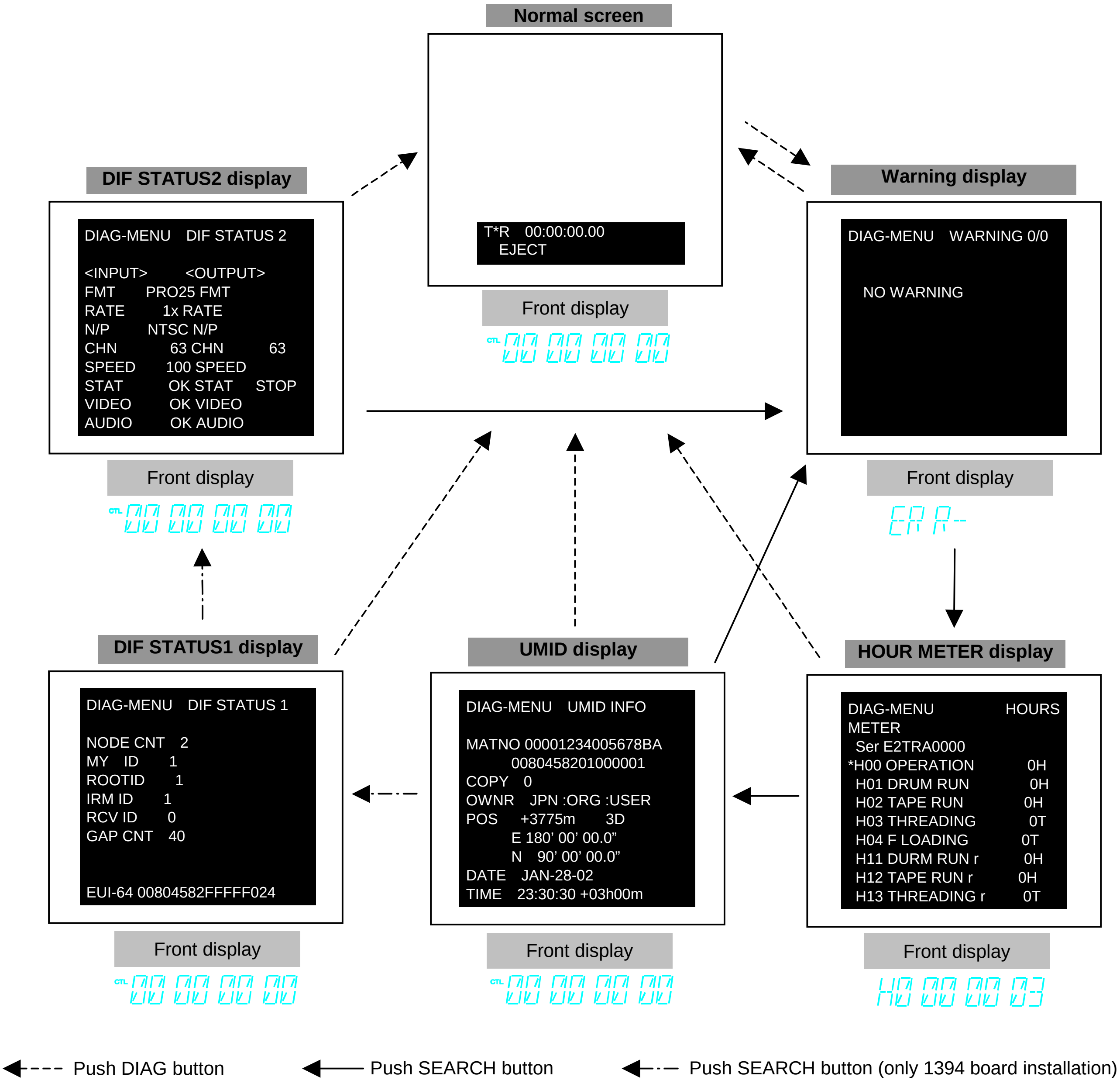
The DIAG-MENU is the menu for investigating the status of the VTR, and it has below indicated information.

- Warning display (WARNING information).
- Hour meter display (HOUR METER information).
- DIF STATUS (This information only displayed, when the Digital Video Interface Board has been installed <AJ-YAD955G>).
- UMID (Unique Material Identifier) information.

9-1. DIAG-MENU Operation Method

1) To display the DIAG-MENU

1. Push the “DIAG” button, then DIAG-MENU screen will be displayed on the monitor (VIDEO OUT3 / SERIAL OUT3) and counter display of front panel(message only).
2. The display switches to the warning, hour meter, DIF STATUS (displayed only, when the 1394 board has been installed) and UMID information every time push “SERACH” button.
3. When the “DIAG” button, push again, it return to noamal screen.


Normal screen
Front display
CTL 00 00 00 00
Warning display
Front display
ERR--
DIF STATUS2 display
Front display
CTL 00 00 00 00
DIF STATUS1 display
Front display
CTL 00 00 00 00
UMID display
Front display
CTL 00 00 00 00
HOUR METER display
Front display
H0 00 00 03
Push DIAG button
Push SEARCH button
Push SEARCH button (only 1394 board installation)

```
T*R   00:00:00.00
   EJECT
```

```
DIAG-MENU   WARNING 0/0

   NO WARNING
```

```
DIAG-MENU   DIF STATUS 2

<INPUT>        <OUTPUT>
FMT       PRO25 FMT
RATE         1x RATE
N/P        NTSC N/P
CHN           63 CHN         63
SPEED        100 SPEED
STAT          OK STAT     STOP
VIDEO         OK VIDEO
AUDIO         OK AUDIO
```

```
DIAG-MENU   DIF STATUS 1

NODE CNT   2
MY   ID      1
ROOTID       1
IRM ID       1
RCV ID       0
GAP CNT    40

EUI-64 00804582FFFFF024
```

```
DIAG-MENU   UMID INFO

MATNO 00001234005678BA
         0080458201000001
COPY    0
OWNR    JPN :ORG :USER
POS     +3775m      3D
         E 180’ 00’ 00.0”
         N   90’ 00’ 00.0”
DATE    JAN-28-02
TIME    23:30:30 +03h00m
```

```
DIAG-MENU              HOURS
METER
 Ser E2TRA0000
*H00 OPERATION          0H
 H01 DRUM RUN           0H
 H02 TAPE RUN           0H
 H03 THREADING          0T
 H04 F LOADING          0T
 H11 DURM RUN r         0H
 H12 TAPE RUN r         0H
 H13 THREADING r        0T
```

<NOTE>

· The search button and the search dial cannot be operated while the DIAG menu is displayed.

9-2. DIF STATUS Information Display

This information only displayed, when the Digital Video Interface Board (AJ-YAD955G) has been installed in AJ-SD955/ 930.
Current status of 1394 is displayed.

ITEM	DISPLAY/DESCRIPTION
NODE CNT	Indicates the number of local bus connections. 1-63
MY ID	Indicates the current PHY ID of this unit. 0-62
ROOT ID	Indicates the PHY ID of the root on the local path. 0-62
IRM ID	Indicates the PHY ID of the Isochronous Resource Manager. 0-62 : ID value 63 : IRM does not exist
GAP CNT	Indicates the current gap count value. 0-63
EUI-64	Indicates the NODE UNIQUE ID. 0-63
FMT	Indicates the format of the digital input and output signal. DV : DV(DVCAM) PRO25 : DVCPRO25 PRO50 : DVCPRO50 (HD100 : DVCPRO HD)
RATE	Indicates the transfer speed of the digital input and output signal. 1X : 1 time of speed (2X : twice of speed) (4X : 4 times of speed) (8X : 8 times of speed)
N/P	Indicates the NTSC or PAL information of the data received or transmitted. NTSC PAL
CHN	Indicates the current channel number of the data received or transmitted. 0-63
SPEED	Indicates the transfer rate of the digital input and output signal. S100 S200 S400
STAY	Indicates the status of the data received or transmitted. STOP : No transmitted OK : transmitted normally NG : It can not be transmitted by some problem NO_PACKET : Packet does not received(only <INPUT>)
VIDEO	Indicates the status of the video data received or transmitted. STOP : No transmitted OK : transmitted normally NG : It can not be transmitted by some problem
AUDIO	Indicates the status of the audio data received or transmitted. STOP : No transmitted OK : transmitted normally NG : It can not be transmitted by some problem

9-3. UMID Information Display

Information is displayed when UMID information is present on the input signal in E-E mode.
Information is displayed during tape playback when UMID information has been recorded on the tape.
“NO-INFO” is displayed when there is no UMID information.

Item	Display/Description
MATNO	Material number
COPY	Instance number (No. of copies)
OWNR	Country, organization, user
POS	height above sea level, longitude and latitude. Reception status from GPS satellites when recording spatial coordinates as follows. HOLD: No reception from any satellite 2D: Reception possible, but number of satellites is insufficient. Height above sea level will not be accurate. 3D: Good reception
DATE	Date(UTC). No indicates about local time.
TIME	UTC (Coordinated Universal Time) and time difference with UTC

13-3. Service Menu Contents

PB ADJUST (DVCPRO 50M ADJUST, DVCPRO 25M ADJUST sub-screen)

Item		Set value		Setting contents and outline function explanation	BACK -UP No.	Remarks SUPER DISP.
No.	SUPER DISP.	No.	SUPER DISP.			
P20 Q20	PLL FRQ	0 | 1 | 31	0 | 1 | 31	The setting of the PLL response speed controls mainly the frequency pull-in speed. The response becomes faster with larger values.	Yes	**Factory use only** **Do not change any setting**

RP ADJUST (DVCPRO 50M ADJUST, DVCPRO 25M ADJUST, DV ADJUST subscreen)

Item		Set value		Setting contents and outline function explanation	BACK -UP No.	Remarks SUPER DISP.
No.	SUPER DISP.	No.	SUPER DISP.			
P20 Q20 R20	PLL FRQ	0 | 1 | 31	0 | 1 | 31	The setting of the PLL response speed controls mainly the frequency pull-in speed. The response becomes faster with larger values.	Yes	**Factory use only** **Do not change any setting**

SECTION 2

ELECTRICAL ADJUSTMENT

CONTENTS

7. AUDIO (F1) & RF/CUE ELE-1
  7-1. Setting and VR Location ELE-1
  7-2. CH1-4, L, R Output Level Adjustment ELE-1
  7-3. CH1-4, L, R Input Level Adjustment ELE-1
  7-6. CUE PB Level Adjustment ELE-2
  7-7. CUE REC/PB Level Adjustment ELE-2

8. TP, VR AND SW LOCATION ELE-3
  F4:REC PB P.C.BOARD (VEP83629B/A/C) ELE-3

7. AUDIO (F1) & RF/CUE

7-1. Setting and VR Location

<Service Menu Setting>

1. Open the Service Menu. (Refer to SEC1 Service Information.)
2. Select the **G00: AUDIO ADJUST**.
3. Set the items as shown below

MENU	Setting
G01:REF LEVEL1	FS-18
G02:REF LEVEL2	0dB
G03:REF LV INI	0 dB (P/E) 4 dB (MC)
G05:MIC IN LV	ENA
G06:AES PHS CORR	NORMAL
G09:LINE OUT CUE	OFF

<User Menu Setting>

1. Open the User Menu and set the items as shown below.

MENU	Setting	
	P/E	MC
701 CH1 IN LEV	0dB	+4dB
702 CH2 IN LEV	0dB	+4dB
703 CH3 IN LEV	0dB	+4dB
704 CH4 IN LEV	0dB	+4dB
706 CH1 OUT LEV	0dB	+4dB
707 CH2 OUT LEV	0dB	+4dB
708 CH3 OUT LEV	0dB	+4dB
709 CH4 OUT LEV	0dB	+4dB
711 MONIL OUT LV	0dB	+4dB
712 MONIR OUT LV	0dB	+4dB
713 MONIR OUT	VAR	VAR
722 REC CH1	CH1	CH1
723 REC CH2	CH2	CH2
724 REC CH3	CH3	CH3
725 REC CH4	CH4	CH4
726 REC CUE	CH1	CH1
750 DV PB ATT	ON	ON

7-2. CH1-4, L, R Output Level Adjustment

BOARD	AUDIO (F1)
TP	AUDIO OUT (CH1-4, MON L,R)
ADJ.	VR560 (CH1 OUT LV)[G-2] VR561 (CH2 OUT LV)[G-2] VR690 (CH3 OUT LV)[F-2] VR691 (CH4 OUT LV)[E-2] VR450 (L OUT LV)[E-2] VR451 (R OUT LV)[D-2]
TAPE	-----
INPUT	INT SG
MODE	EE
M. EQ	Audio Analyzer
SPEC.	0dBu ± 0.2dB (P/E) +4dBu ± 0.2dB (MC)

1. Set the AUDIO INPUT SELECT switch to **“SG”**.
2. Adjust VR560 so that the CH1 OUT level is in the specification.
3. Adjust VR561 so that the CH2 OUT level is in the specification.
4. Adjust VR690 so that the CH3 OUT level is in the specification.
5. Adjust VR691 so that the CH4 OUT level is in the specification.
6. Adjust VR450 so that the MON L OUT level is in the specification.
7. Adjust VR451 so that the MON R OUT level is in the specification.

<AJ-SD930BP, SD955BP>

8. Confirm that the level meter (CH1-4, CUE) on the front panel is displayed at –20dB.

<AJ-SD930BE, D930BMC, SD955BE, D955BMC>

8. Confirm that the level meter (CH1-4, CUE) on the front panel is displayed at –18dB.

7-3. CH1-4, L, R Input Level Adjustment

BOARD	AUDIO (F1)
TP	AUDIO OUT (CH1-4)
ADJ.	VR300 (CH1 IN LV)[J-2] VR301 (CH2 IN LV)[J-2] VR302 (CH3 IN LV)[H-2] VR303 (CH4 IN LV)[G-2]
TAPE	-----
INPUT	LINE IN CH1-4 (1KHz 0dBu, Sinewave)
MODE	EE
M. EQ	Audio Analyzer
SPEC.	0dBu ± 0.2dB (P/E) +4dBu ± 0.2dB (MC)

1. Set the AUDIO INPUT SELECT switch to **“ANALOG”**.
2. Adjust VR300 so that the CH1 OUT level is in the specification.

3. Adjust VR301 so that the CH2 OUT level is in the specification.
4. Adjust VR302 so that the CH3 OUT level is in the specification.
5. Adjust VR303 so that the CH4 OUT level is in the specification.

7-6. CUE PB Level Adjustment

BOARD	AUDIO (F1)
TP	AUDIO OUT (CH1)
ADJ.	G09: LINE OUT CUE (Service Menu) VR5001 (PB LEVEL)[B-1]
TAPE	VFM3480KM(50M Adjustment Tape) VFM3680KM/KL(25M Adjustment Tape)
INPUT	-----
MODE	Playback
M. EQ	Audio Analyzer
SPEC.	0dBu ± 1.0dB (P/E) -4dBu ± 1.0dB (MC)

1. Open the SERVICE MENU. (Refer to SEC1 Service Information.)
2. Select the **G00: AUDIO ADJUST** and press the “SET” button to open the AUDIO ADJUST MENU.
3. Set the **G09 LINE OUT CUE** to ON.

<Caution>
During this adjustment, do not close the Service Menu. The setting of G09 LINE OUT CUE will be reset to OFF automatically.

4. Playback the 50M Adjustment Tape, and adjust VR5001 (PB LEVEL) so that the LINE OUT CH1 level is in the specification.
5. Playback the 25M Adjustment Tape (Indicate the “DVCPRO” on the front panel), and confirm that the LINE OUT CH1 level is in the specification.
6. Close the menu.

<Caution>
1. Clean the A/C head, before this adjustment is executed.
2. Confirm the tape path condition around A/C head.

7-7. CUE REC/PB Level Adjustment

BOARD	AUDIO (F1)
TP	AUDIO OUT (CH1)
ADJ.	VR5006 (REC CURR)[A-1]
TAPE	Blank Tape
INPUT	AUDIO IN CH1,2 (1KHz 0dBu Sinewave)
MODE	SELF-REC / PLAY
M. EQ	Audio Analyzer
SPEC.	0dBu ± 1.0dB (P/E) +4dBu ± 1.0dB (MC)

1. Open the SERVICE MENU. (Refer to SEC1 Service Information.)
2. Select the **G00: AUDIO ADJUST** and press the “SET” button to open the AUDIO ADJUST MENU.
3. Set the **G09 LINE OUT CUE** to ON.

<Caution>
During this adjustment, do not close the Service Menu. The setting of G09 LINE OUT CUE will be reset to OFF automatically.

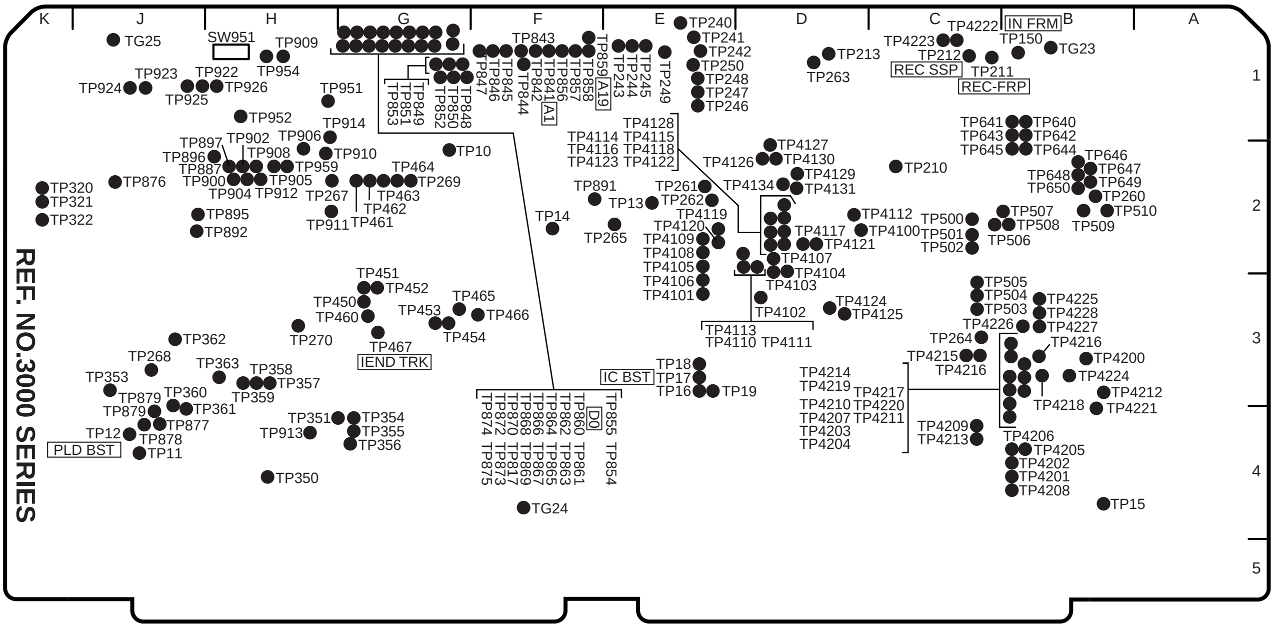
4. Open the SET UP MENU by pressing the “MENU” button.
   Select the **“726 REC CUE”** item and set it to the **“CH1”**. After that press the “SET” button.
5. Supply a 1kHz, 0dBu sinewave signal into the AUDIO IN (Both CH1 and CH2) and record the input signal for few minutes.
6. Playback the just recorded portions and confirms that the AUDIO OUT (CH1) is in the specification.
7. If it is not, slightly adjust VR5006 and then repeat step 3 to 5 until it is in the specification.
8. Open the SET UP MENU again, and set the “012 SYSTM FORMAT” to 25M.
9. Perform the Item 3 to 4.

8. TP, VR AND SW LOCATION

F4:REC PB P.C.BOARD (VEP83629B/A/C)

FOIL SIDE

REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC
IC3013	G1	IC3353	J3	IC3958	H1	TP3212	C1	TP3359	H3	TP3645	B2	TP3869	G1	TP3952	H1	TP4134	D2
IC3014	G1	IC3380	H4	IC3959	H2	TP3213	D1	TP3360	J4	TP3646	B2	TP3870	G1	TP3954	H1	TP4200	B3
IC3050	E4	IC3381	H4	IC4101	D2	TP3240	E1	TP3361	J4	TP3647	B2	TP3871	G1	TP4100	D2	TP4201	B4
IC3051	E4	IC3382	H4	IC4150	D3	TP3241	E1	TP3362	J3	TP3648	B2	TP3872	G1	TP4101	E2	TP4202	B4
IC3052	F4	IC3383	J4	IC4201	B3	TP3242	E1	TP3363	H3	TP3649	B2	TP3873	G1	TP4102	D3	TP4203	B3
IC3053	F4	IC3384	J4	IC4203	C3	TP3243	E1	TP3450	G3	TP3650	B2	TP3874	G1	TP4103	D2	TP4204	B3
IC3054	F4	IC3385	J4	IC4250	B4	TP3244	E1	TP3451	G3	TP3841	F1	TP3875	G1	TP4104	D2	TP4205	B4
IC3056	A3	IC3451	F2	IC4301	D3	TP3245	E1	TP3452	G3	TP3842	F1	TP3876	J2	TP4105	E2	TP4206	B4
IC3057	F3	IC3452	G2	IC4302	D3	TP3246	E1	TP3453	G3	TP3843	F1	TP3877	J4	TP4106	E2	TP4207	B3
IC3058	A3	IC3500	C2	IC4303	C3	TP3247	E1	TP3454	G3	TP3844	F1	TP3878	J4	TP4107	D2	TP4208	B4
IC3059	E4	IC3502	B2	IP3841	H2	TP3248	E1	TP3460	G3	TP3845	F1	TP3879	J4	TP4108	E2	TP4209	C4
IC3060	G3	IC3504	B2	P3001	G5	TP3249	E1	TP3461	G2	TP3846	F1	TP3891	F2	TP4109	E2	TP4210	B3
IC3061	E3	IC3670	A1	P3002	D5	TP3250	E1	TP3462	G2	TP3847	F1	TP3892	J2	TP4110	D2	TP4211	B3
IC3062	F3	IC3674	A1	Q3700	A2	TP3260	B2	TP3463	G2	TP3848	G1	TP3895	J2	TP4111	D2	TP4212	B3
IC3063	E3	IC3676	B1	Q3701	B2	TP3261	E2	TP3464	G2	TP3849	G1	TP3896	H2	TP4112	D2	TP4213	C4
IC3064	E2	IC3704	A2	Q3702	A2	TP3262	E2	TP3465	G3	TP3850	G1	TP3897	H2	TP4113	D2	TP4214	B3
IC3065	E3	IC3705	A2	QR3841	J1	TP3263	D1	TP3466	F3	TP3851	G1	TP3900	H2	TP4114	D2	TP4215	C3
IC3066	E3	IC3750	C3	QR3842	J1	TP3264	C3	TP3467	G3	TP3852	G1	TP3902	H2	TP4115	D2	TP4216	C3
IC3067	F3	IC3751	C4	TG3023	B1	TP3265	E2	TP3500	C2	TP3853	G1	TP3904	H2	TP4116	D2	TP4217	B3
IC3150	C4	IC3771	E4	TG3024	F4	TP3267	H2	TP3501	C2	TP3854	G1	TP3905	H2	TP4117	D2	TP4218	B3
IC3152	D4	IC3772	E4	TG3025	J1	TP3268	J3	TP3502	C2	TP3855	G1	TP3906	H2	TP4118	D2	TP4219	B3
IC3153	D4	IC3773	G4	TP3010	G2	TP3269	G2	TP3503	C3	TP3856	F1	TP3908	H2	TP4119	E2	TP4220	B3
IC3211	C1	IC3801	G4	TP3011	J4	TP3270	H3	TP3504	C3	TP3857	F1	TP3909	H1	TP4120	E2	TP4221	B4
IC3261	E2	IC3802	G4	TP3012	J4	TP3320	K2	TP3505	C3	TP3858	F1	TP3910	H2	TP4121	D2	TP4222	C1
IC3290	E2	IC3803	G4	TP3013	E2	TP3321	K2	TP3506	C2	TP3859	F1	TP3911	H2	TP4122	D2	TP4223	C1
IC3291	E1	IC3808	J2	TP3014	F2	TP3322	K2	TP3507	C2	TP3860	G1	TP3912	H2	TP4123	D2	TP4224	B3
IC3292	F1	IC3809	J1	TP3015	B4	TP3350	H4	TP3508	B2	TP3861	G1	TP3913	H4	TP4124	D3	TP4225	B3
IC3293	F2	IC3842	H3	TP3016	E3	TP3351	H4	TP3509	B2	TP3862	G1	TP3914	H2	TP4125	D3	TP4226	B3
IC3301	J3	IC3951	G1	TP3017	E3	TP3353	J3	TP3510	B2	TP3863	G1	TP3922	J1	TP4126	D2	TP4227	B3
IC3302	K3	IC3952	H1	TP3018	E3	TP3354	G4	TP3640	B1	TP3864	G1	TP3923	J1	TP4127	D2	TP4228	B3
IC3303	K3	IC3953	H1	TP3019	E3	TP3355	G4	TP3641	B1	TP3865	G1	TP3924	J1	TP4128	D2		
IC3304	K4	IC3955	H1	TP3150	B1	TP3356	G4	TP3642	B2	TP3866	G1	TP3925	J1	TP4129	D2		
IC3351	J4	IC3956	H1	TP3210	C2	TP3357	H3	TP3643	B2	TP3867	G1	TP3926	H1	TP4130	D2		
IC3352	H4	IC3957	H1	TP3211	C1	TP3358	H3	TP3644	B2	TP3868	G1	TP3951	H1	TP4131	D2		


K
J
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1
2
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5
SW951
TG25
TP909
TP954
TP923
TP922
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TP951
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TP322
TP895
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TP843
TP847
TP845
TP846
TP844
TP842
TP841
A1
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TP857
TP858
TP859
A19
TP243
TP244
TP245
TP249
TP853
TP851
TP849
TP850
TP852
TP848
TP10
TP464
TP269
TP267
TP463
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TP911
TP461
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TP4118
TP4123
TP4122
TP891
TP261
TP262
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TP14
TP265
TP4119
TP4120
TP4109
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TP4106
TP4101
TP4127
TP4130
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TP4131
TP4134
TP4117
TP4121
TP4107
TP4104
TP4103
TP4102
TP4112
TP4100
TP4124
TP4125
TP4113
TP4110
TP4111
TP213
TP263
TP4223
TP4222
IN FRM
TP150
TG23
TP212
REC SSP
TP211
REC-FRP
TP210
TP641
TP640
TP643
TP642
TP645
TP644
TP646
TP648
TP647
TP650
TP649
TP260
TP500
TP507
TP510
TP501
TP508
TP509
TP502
TP506
TP505
TP504
TP503
TP4225
TP4228
TP4226
TP4227
TP264
TP4216
TP4215
TP4200
TP4216
TP4224
TP4214
TP4219
TP4217
TP4212
TP4218
TP4221
TP4210
TP4220
TP4207
TP4211
TP4203
TP4204
TP4209
TP4213
TP4206
TP4205
TP4202
TP4201
TP4208
TP15
TP451
TP452
TP465
TP450
TP453
TP466
TP460
TP454
TP270
TP467
IEND TRK
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TP268
TP363
TP358
TP353
TP357
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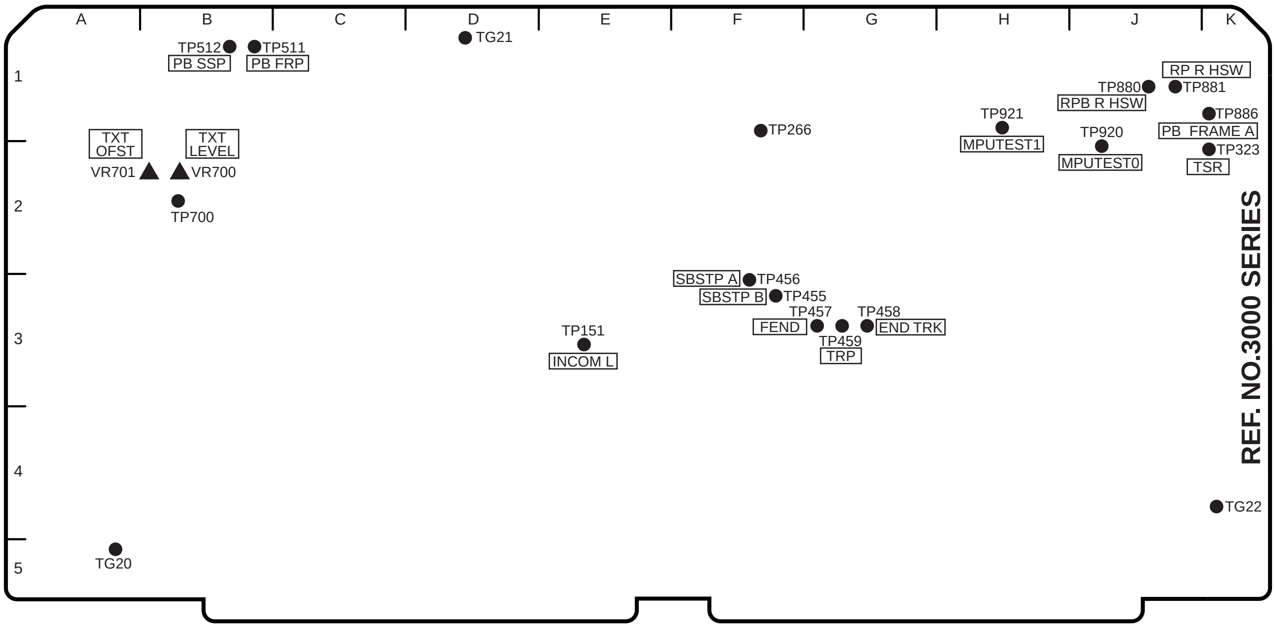
TP360
TP879
TP361
TP877
TP351
TP354
TP913
TP355
TP356
TP12
TP878
PLD BST
TP11
TP350
TP18
IC BST
TP17
TP16
TP19
TP874
TP872
TP870
TP868
TP866
TP864
TP862
TP860
D0
TP855
TP875
TP873
TP817
TP869
TP867
TP865
TP863
TP861
TP854
TG24
REF. NO.3000 SERIES

(FOIL SIDE)

F4:REC PB P.C.BOARD (VEP83629B/A/C)

COMPONENT SIDE

REF	LOC	REF	LOC
IC3010	G4	P3001	H5
IC3011	G3	P3002	D5
IC3012	F4	P3010	F1
IC3015	G4	P3841	J1
IC3018	F4	P3951	H1
IC3019	F4	P4200	C1
IC3020	F4	Q4000	G4
IC3055	A4	QR4000	G4
IC3151	D4	TG3020	A5
IC3154	C4	TG3021	D1
IC3210	C1	TG3022	K4
IC3240	E1	TP3151	E3
IC3260	E2	TP3266	F1
IC3300	J2	TP3323	K1
IC3350	J4	TP3455	F3
IC3450	G2	TP3456	F3
IC3501	B2	TP3457	G3
IC3503	C2	TP3458	G3
IC3610	D1	TP3459	G3
IC3640	C1	TP3511	B1
IC3706	B2	TP3512	B1
IC3752	B4	TP3700	B2
IC3753	B4	TP3880	J1
IC3770	E4	TP3881	J1
IC3774	E4	TP3886	K1
IC4000	G4	TP3920	J2
IC4001	G4	TP3921	H1
IC4202	C3	VR3700	B2
IC4204	C4	VR3701	B2
IC4300	C3		
IP3016	G1		
IP3017	G1		
IP4100	D2		
IP4200	B3		


A
B
C
D
E
F
G
H
J
K
1
2
3
4
5
TP512
PB SSP
TP511
PB FRP
TG21
RP R HSW
TP880
TP881
RPB R HSW
TP921
MPUTEST1
TP920
MPUTEST0
TP886
PB FRAME A
TP323
TSR
TP266
TXT OFST
TXT LEVEL
VR701
VR700
TP700
REF. NO.3000 SERIES
SBSTP A
TP456
SBSTP B
TP455
TP457
TP458
FEND
END TRK
TP459
TRP
TP151
INCOM L
TG22
TG20

(COMPONENT SIDE)

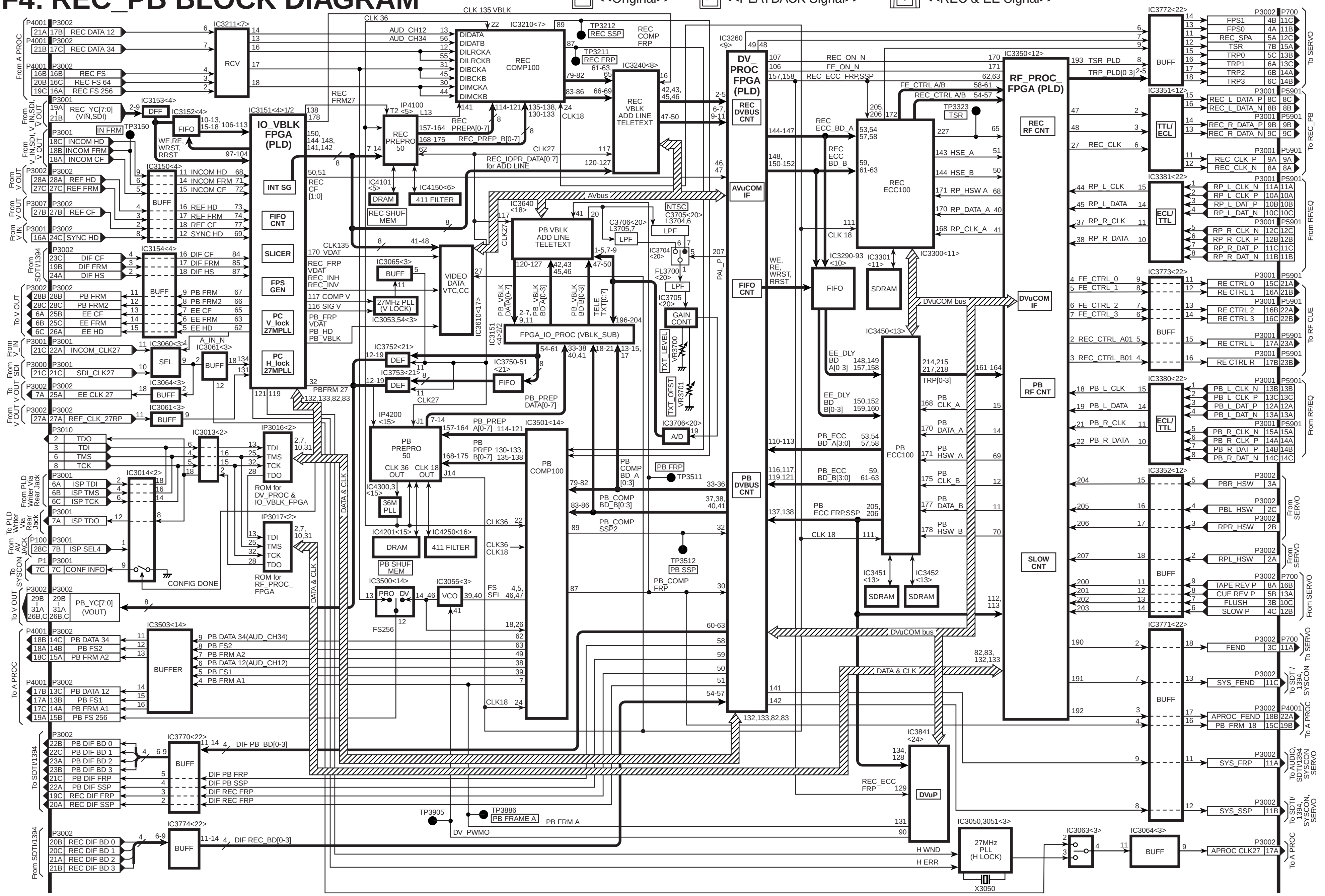
SECTION 3

BLOCK DIAGRAM

CONTENTS

F4: REC_PB BLOCK DIAGRAM..BLK-1

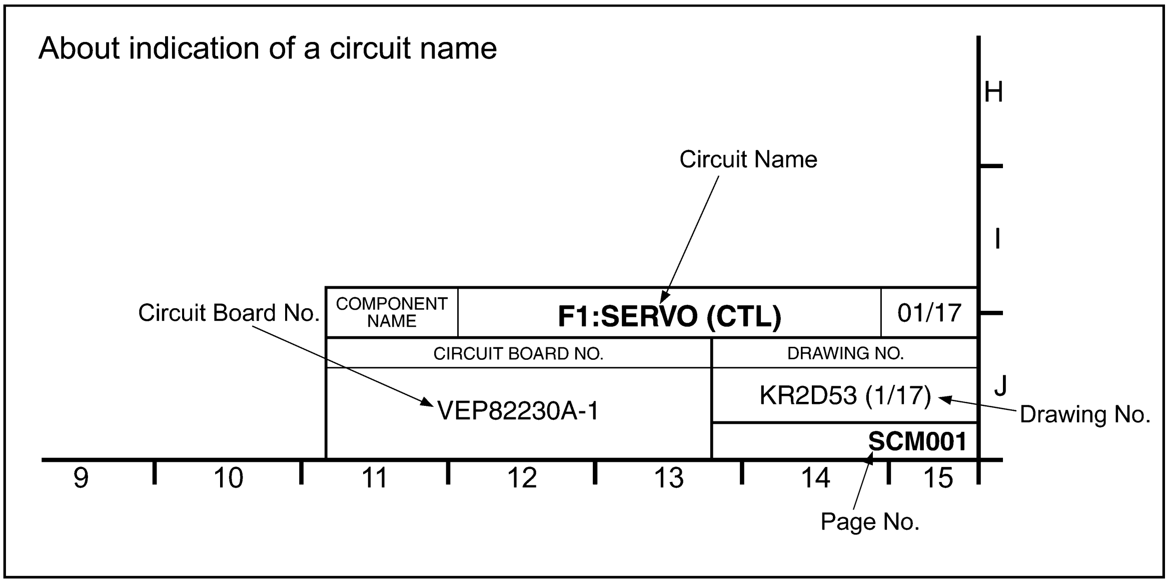
F4: REC_PB BLOCK DIAGRAM



<<Original>>
<<PLAYBACK Signal>>
<<REC & EE Signal>>
From A PROC
P4001 P3002
REC DATA 12
REC DATA 34
REC FS
REC FS 64
REC FS 256
RCV
IC3211<7>
CLK 36
CLK 135 VBLK
AUD_CH12
AUD_CH34
IC3210<7>
DIDATA
DIDATB
DILRCKA
DILRCKB
DIBCKA
DIBCKB
DIMCKA
DIMCKB
REC COMP100
TP3212
REC SSP
TP3211
REC FRP
REC COMP FRP
IC3240<8>
REC VBLK ADD LINE TELETEXT
IC3260<9>
DV_ PROC_ FPGA (PLD)
REC DVBUS CNT
AVuCOM IF
FIFO CNT
PB DVBUS CNT
IC3350<12>
RF_PROC_ FPGA (PLD)
REC RF CNT
DVuCOM IF
PB RF CNT
SLOW CNT
IC3772<22>
BUFF
FPS1
FPS0
REC_SPA
TSR
TRP0
TRP1
TRP2
TRP3
To SERVO
IC3351<12>
TTL/ ECL
REC_L_DATA_P
REC_L_DATA_N
REC_R_DATA_P
REC_R_DATA_N
REC_CLK_P
REC_CLK_N
To REC_PB
IC3381<22>
ECL/ TTL
RP_L_CLK_N
RP_L_CLK_P
RP_L_DAT_P
RP_L_DAT_N
RP_R_CLK_N
RP_R_CLK_P
RP_R_DAT_P
RP_R_DAT_N
From RF/EQ
IC3773<22>
RE CTRL 0
RE CTRL 1
RE CTRL 2
RE CTRL 3
RE CTRL L
RE CTRL R
To RF CUE
IC3380<22>
PB_L_CLK_N
PB_L_CLK_P
PB_L_DAT_P
PB_L_DAT_N
PB_R_CLK_N
PB_R_CLK_P
PB_R_DAT_P
PB_R_DAT_N
IC3352<12>
PBR_HSW
PBL_HSW
RPR_HSW
RPL_HSW
From SERVO
TAPE REV P
CUE REV P
FLUSH
SLOW P
IC3771<22>
FEND
SYS_FEND
APROC_FEND
PB_FRM_18
SYS_FRP
SYS_SSP
APROC CLK27
To AUDIO, SDTI/1394, SYSCON, SERVO
To SDTI/ 1394, SYSCON, SERVO
To A PROC
IC3300<11>
REC ECC100
TP3323
TSR
IC3290-93<10>
FIFO
IC3301<11>
SDRAM
IC3450<13>
PB ECC100
IC3451<13>
IC3452<13>
DVuCOM bus
DATA & CLK
IC3841<24>
DVuP
IC3050,3051<3>
27MHz PLL (H LOCK)
X3050
IC3063<3>
IC3064<3>
H WND
H ERR
IC3151<4>1/2
IO_VBLK FPGA (PLD)
INT SG
FIFO CNT
SLICER
FPS GEN
PC V_lock 27MPLL
PC H_lock 27MPLL
IC3153<4>
DFF
IC3152<4>
FIFO
TP3150
IN FRM
REC_YC[7:0] (VIN,SDI)
INCOM HD
INCOM FRM
INCOM CF
IC3150<4>
BUFFER
REF HD
REF FRM
REF CF
SYNC HD
IC3154<4>
BUFF
DIF CF
DIF FRM
DIF HS
PB FRM
PB FRM2
EE CF
EE FRM
EE HD
To V OUT
INCOM_CLK27
SDI_CLK27
EE CLK 27
REF_CLK_27RP
IC3060<3>
SEL
IC3061<3>
IC3064<3>
IP4100<5>
REC PREPRO 50
IC4101<5>
DRAM
IC4150<6>
411 FILTER
REC SHUF MEM
IC3065<3>
27MHz PLL (V LOCK)
IC3053,54<3>
VIDEO DATA VTC,CC
IC3640<18>
PB VBLK ADD LINE TELETEXT
AVbus
C3706<20> L3705,7
LPF
C3705<20> L3704,6
NTSC
IC3704<20>
FL3700<20>
IC3705<20>
GAIN CONT
TXT_LEVEL VR3700
TXT_OFST VR3701
IC3706<20>
A/D
IC3151<4>2/2
FPGA_IO_PROC (VBLK_SUB)
IC3752<21>
DEF
IC3753<21>
IC3750-51<21>
FIFO
IP4200<15>
PB PREPRO 50
IC4300,3<15>
36M PLL
IC4201<15>
IC4250<16>
PB SHUF MEM
IC3500<14>
PRO DV
FS256
IC3055<3>
VCO
IC3501<14>
PB COMP100
PB FRP
TP3511
TP3512
PB SSP
P3010
TDO
TDI
TMS
TCK
IC3013<2>
IP3016<2>
ROM for DV_PROC & IO_VBLK_FPGA
IP3017<2>
ROM for RF_PROC_ FPGA
From PLD Writer Via Rear Jack
ISP TDI
ISP TMS
ISP TCK
IC3014<2>
To PLD Writer Via Rear Jack
ISP TDO
From AV JACK
ISP SEL4
To SYSCON
CONF INFO
CONFIG DONE
To V OUT
PB_YC[7:0] (VOUT)
IC3503<14>
PB DATA 34
PB FS2
PB FRM A2
PB DATA 12
PB FS1
PB FRM A1
PB FS 256
To A PROC
IC3770<22>
PB DIF BD 0
PB DIF BD 1
PB DIF BD 2
PB DIF BD 3
PB DIF FRP
PB DIF SSP
REC DIF FRP
REC DIF SSP
To SDTI/1394
TP3905
TP3886
PB FRAME A
DV_PWMO
PB FRM A
IC3774<22>
REC DIF BD 0
REC DIF BD 1
REC DIF BD 2
REC DIF BD 3
From SDTI/1394

SECTION 4

SCHEMATIC DIAGRAMS



About indication of a circuit name

Circuit Name
Circuit Board No.
COMPONENT NAME
F1:SERVO (CTL)
01/17
CIRCUIT BOARD NO.
DRAWING NO.
VEP82230A-1
KR2D53 (1/17)
Drawing No.
SCM001
Page No.
H
I
J
9
10
11
12
13
14
15

NOTE:
BE SURE TO MAKE YOUR ORDERS OF REPLACEMENT PARTS ACCORDING TO PARTS LIST, SECTION 5

CAUTION

THE ▭ MARK INDICATES THE PRIMARY CIRCUIT TO DISTINGUISH THE PRIMARY FROM THE SECONDARY CIRCUIT.
PAY ATTENTION NOT TO RECEIVE AN ELECTRIC SHOCK DURING REPAIR AND SERVICE OF THE PRODUCTS.

IMPORTANT SAFETY NOTICE:
COMPONENTS IDENTIFIED WITH THE MARK ⚠ HAVE THE SPECIAL CHARACTERISTICS FOR SAFETY.
WHEN REPLACING ANY OF THESE COMPONENTS, USE ONLY THE SAME TYPE.

CONTENTS

F4: REC PB

MOTHER (01/26) SCM001
POWER (02/26) SCM002
PLL/VCO (03/26) SCM003
IO PROC [IO, VBLK] (04/26) SCM004
REC_PREP (05/26) SCM005
411 FILTER (06/26) SCM006
REC_COMP (07/26) SCM007
REC_VBLK (08/26) SCM008
DV_PROC (09/26) SCM009
DVBUS_EE_FIFO (10/26) SCM010
REC_ECC100 (11/26) SCM011
RF_PROC (12/26) SCM012
PB_ECC100 (13/26) SCM013
PB_COMP (14/26) SCM014
PB_PREP (15/26) SCM015
PB_411_FILTER (16/26) SCM016
VIDEO_DATA (17/26) SCM017
PB_VBLK (18/26) SCM018
PB_PLL (19/26) SCM019
TEL_TXT (20/26) SCM020
SLOW CTRL (21/26) SCM021
IO_BUFF (22/26) SCM022
MPU_BUS_I/F (23/26) SCM023
DV_uP (24/26) SCM024
DV_ETC (25/26) SCM025
36M PLL (26/26) SCM026

FRONT (SD930B)

CONNECTOR, DIAL (01/05) SCM027
KEY (02/05) SCM028
LED (03/05) SCM029
VFD (04/05) SCM030
VR, HEADPHONE (05/05) SCM031

FRONT (SD955B)

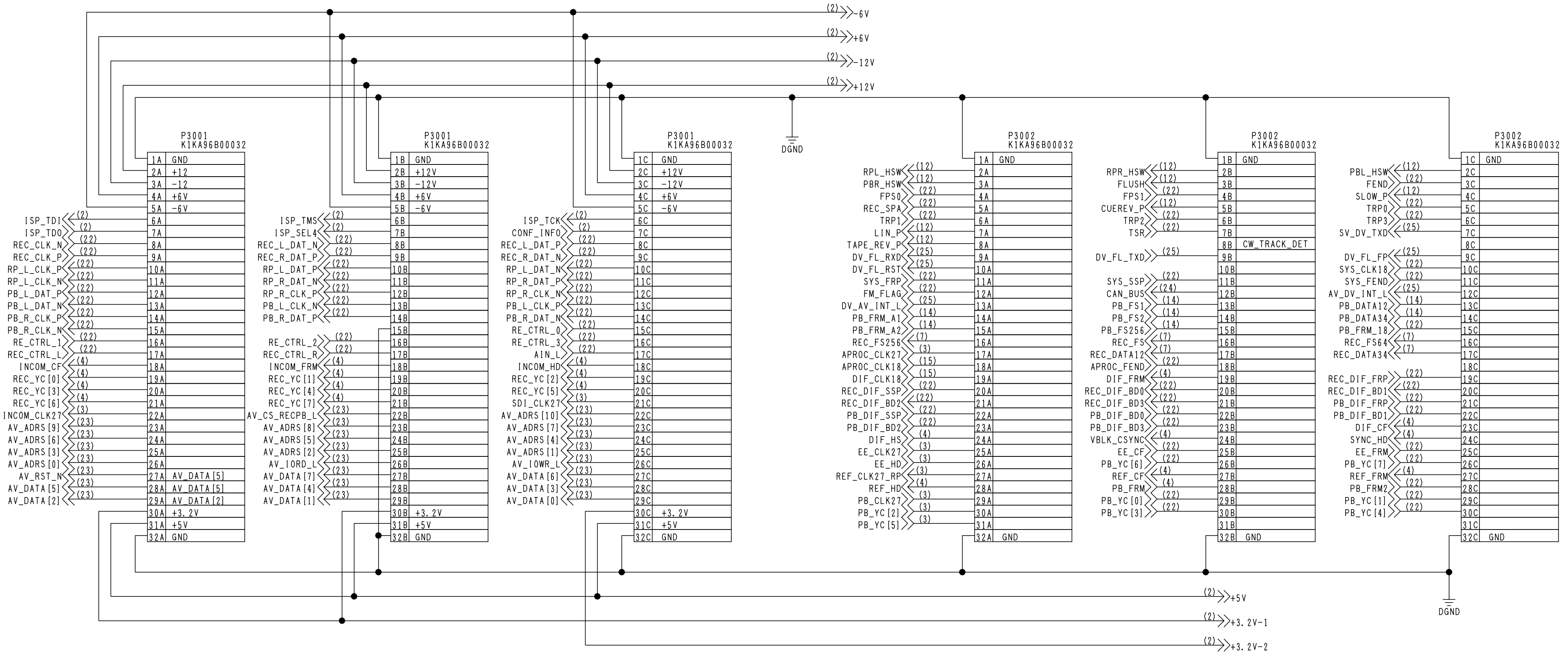
CONNECTOR, DIAL (01/05) SCM032
KEY (02/05) SCM033
LED (03/05) SCM034
VFD (04/05) SCM035
VR, HEADPHONE (05/05) SCM036

FRONT SUB

FRONT SUB (01/01) SCM037

EJECT

EJECT (01/01) SCM038


(2) -6V
(2) +6V
(2) -12V
(2) +12V
DGND
(2) +5V
(2) +3. 2V-1
(2) +3. 2V-2
P3001
K1KA96B00032
1A GND
2A +12
3A -12
4A +6V
5A -6V
ISP_TDI (2) 6A
ISP_TDO (2) 7A
REC_CLK_N (22) 8A
REC_CLK_P (22) 9A
RP_L_CLK_P (22) 10A
RP_L_CLK_N (22) 11A
PB_L_DAT_P (22) 12A
PB_L_DAT_N (22) 13A
PB_R_CLK_P (22) 14A
PB_R_CLK_N (22) 15A
RE_CTRL_1 (22) 16A
REC_CTRL_L (22) 17A
INCOM_CF (4) 18A
REC_YC[0] (4) 19A
REC_YC[3] (4) 20A
REC_YC[6] (4) 21A
INCOM_CLK27 (3) 22A
AV_ADRS[9] (23) 23A
AV_ADRS[6] (23) 24A
AV_ADRS[3] (23) 25A
AV_ADRS[0] (23) 26A
AV_RST_N (23) 27A AV_DATA[5]
AV_DATA[5] (23) 28A AV_DATA[5]
AV_DATA[2] (23) 29A AV_DATA[2]
30A +3. 2V
31A +5V
32A GND
P3001
K1KA96B00032
1B GND
2B +12V
3B -12V
4B +6V
5B -6V
ISP_TMS (2) 6B
ISP_SEL4 (2) 7B
REC_L_DAT_N (22) 8B
REC_R_DAT_P (22) 9B
RP_L_DAT_P (22) 10B
RP_R_DAT_N (22) 11B
RP_R_CLK_P (22) 12B
PB_L_CLK_N (22) 13B
PB_R_DAT_P (22) 14B
15B
RE_CTRL_2 (22) 16B
REC_CTRL_R (22) 17B
INCOM_FRM (4) 18B
REC_YC[1] (4) 19B
REC_YC[4] (4) 20B
REC_YC[7] (4) 21B
AV_CS_RECPB_L (23) 22B
AV_ADRS[8] (23) 23B
AV_ADRS[5] (23) 24B
AV_ADRS[2] (23) 25B
AV_IORD_L (23) 26B
AV_DATA[7] (23) 27B
AV_DATA[4] (23) 28B
AV_DATA[1] (23) 29B
30B +3. 2V
31B +5V
32B GND
P3001
K1KA96B00032
1C GND
2C +12V
3C -12V
4C +6V
5C -6V
ISP_TCK (2) 6C
CONF_INFO (2) 7C
REC_L_DAT_P (22) 8C
REC_R_DAT_N (22) 9C
RP_L_DAT_N (22) 10C
RP_R_DAT_P (22) 11C
RP_R_CLK_N (22) 12C
PB_L_CLK_P (22) 13C
PB_R_DAT_N (22) 14C
RE_CTRL_0 (22) 15C
RE_CTRL_3 (22) 16C
AIN_L (22) 17C
INCOM_HD (4) 18C
REC_YC[2] (4) 19C
REC_YC[5] (4) 20C
SDI_CLK27 (3) 21C
AV_ADRS[10] (23) 22C
AV_ADRS[7] (23) 23C
AV_ADRS[4] (23) 24C
AV_ADRS[1] (23) 25C
AV_IOWR_L (23) 26C
AV_DATA[6] (23) 27C
AV_DATA[3] (23) 28C
AV_DATA[0] (23) 29C
30C +3. 2V
31C +5V
32C GND
P3002
K1KA96B00032
1A GND
RPL_HSW (12) 2A
PBR_HSW (12) 3A
FPS0 (22) 4A
REC_SPA (22) 5A
TRP1 (22) 6A
LIN_P (12) 7A
TAPE_REV_P (12) 8A
DV_FL_RXD (25) 9A
DV_FL_RST (25) 10A
SYS_FRP (22) 11A
FM_FLAG (22) 12A
DV_AV_INT_L (25) 13A
PB_FRM_A1 (14) 14A
PB_FRM_A2 (14) 15A
REC_FS256 (7) 16A
APROC_CLK27 (3) 17A
APROC_CLK18 (15) 18A
DIF_CLK18 (15) 19A
REC_DIF_SSP (22) 20A
REC_DIF_BD2 (22) 21A
PB_DIF_SSP (22) 22A
PB_DIF_BD2 (22) 23A
DIF_HS (4) 24A
EE_CLK27 (3) 25A
EE_HD (3) 26A
REF_CLK27_RP (3) 27A
REF_HD (4) 28A
PB_CLK27 (3) 29A
PB_YC[2] (3) 30A
PB_YC[5] (3) 31A
32A GND
P3002
K1KA96B00032
1B GND
RPR_HSW (12) 2B
FLUSH (12) 3B
FPS1 (22) 4B
CUEREV_P (12) 5B
TRP2 (22) 6B
TSR (22) 7B
8B CW_TRACK_DET
DV_FL_TXD (25) 9B
10B
SYS_SSP (22) 11B
CAN_BUS (24) 12B
PB_FS1 (14) 13B
PB_FS2 (14) 14B
PB_FS256 (14) 15B
REC_FS (7) 16B
REC_DATA12 (7) 17B
APROC_FEND (22) 18B
DIF_FRM (4) 19B
REC_DIF_BD0 (22) 20B
REC_DIF_BD3 (22) 21B
PB_DIF_BD0 (22) 22B
PB_DIF_BD3 (22) 23B
VBLK_CSYNC (4) 24B
EE_CF (22) 25B
PB_YC[6] (22) 26B
REF_CF (4) 27B
PB_FRM (4) 28B
PB_YC[0] (22) 29B
PB_YC[3] (22) 30B
31B
32B GND
P3002
K1KA96B00032
1C GND
PBL_HSW (12) 2C
FEND (22) 3C
SLOW_P (12) 4C
TRP0 (22) 5C
TRP3 (22) 6C
SV_DV_TXD (25) 7C
8C
DV_FL_FP (25) 9C
SYS_CLK18 (22) 10C
SYS_FEND (22) 11C
AV_DV_INT_L (25) 12C
PB_DATA12 (14) 13C
PB_DATA34 (14) 14C
PB_FRM_18 (22) 15C
REC_FS64 (7) 16C
REC_DATA34 (7) 17C
18C
REC_DIF_FRP (22) 19C
REC_DIF_BD1 (22) 20C
PB_DIF_FRP (22) 21C
PB_DIF_BD1 (22) 22C
DIF_CF (4) 23C
SYNC_HD (4) 24C
EE_FRM (22) 25C
PB_YC[7] (22) 26C
REF_FRM (4) 27C
PB_FRM2 (22) 28C
PB_YC[1] (22) 29C
PB_YC[4] (22) 30C
31C
32C GND
DGND
A
B
C
D
E
F
G
H
I
J
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15

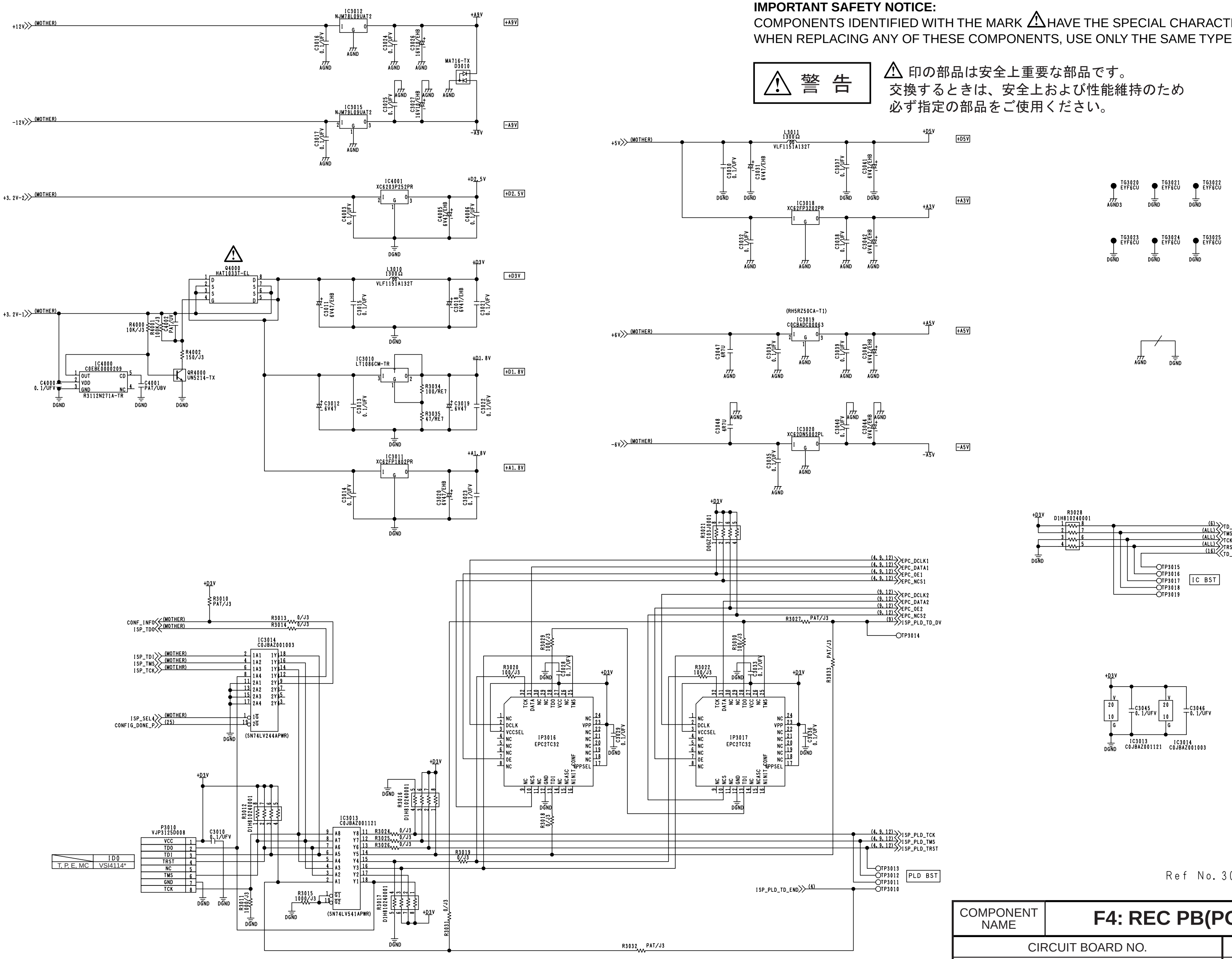
Ref No. 3001-3002

COMPONENT NAME	F4: REC PB(MOTHER)	01/26
CIRCUIT BOARD NO.	DRAWING NO.	
VEP83629B/A/C	KR3A0023 (1/26) (0)	
	SCM001	

IMPORTANT SAFETY NOTICE:
COMPONENTS IDENTIFIED WITH THE MARK ⚠ HAVE THE SPECIAL CHARACTERISTICS FOR SAFETY.
WHEN REPLACING ANY OF THESE COMPONENTS, USE ONLY THE SAME TYPE.

⚠ 警 告

⚠ 印の部品は安全上重要な部品です。
交換するときは、安全上および性能維持のため
必ず指定の部品をご使用ください。

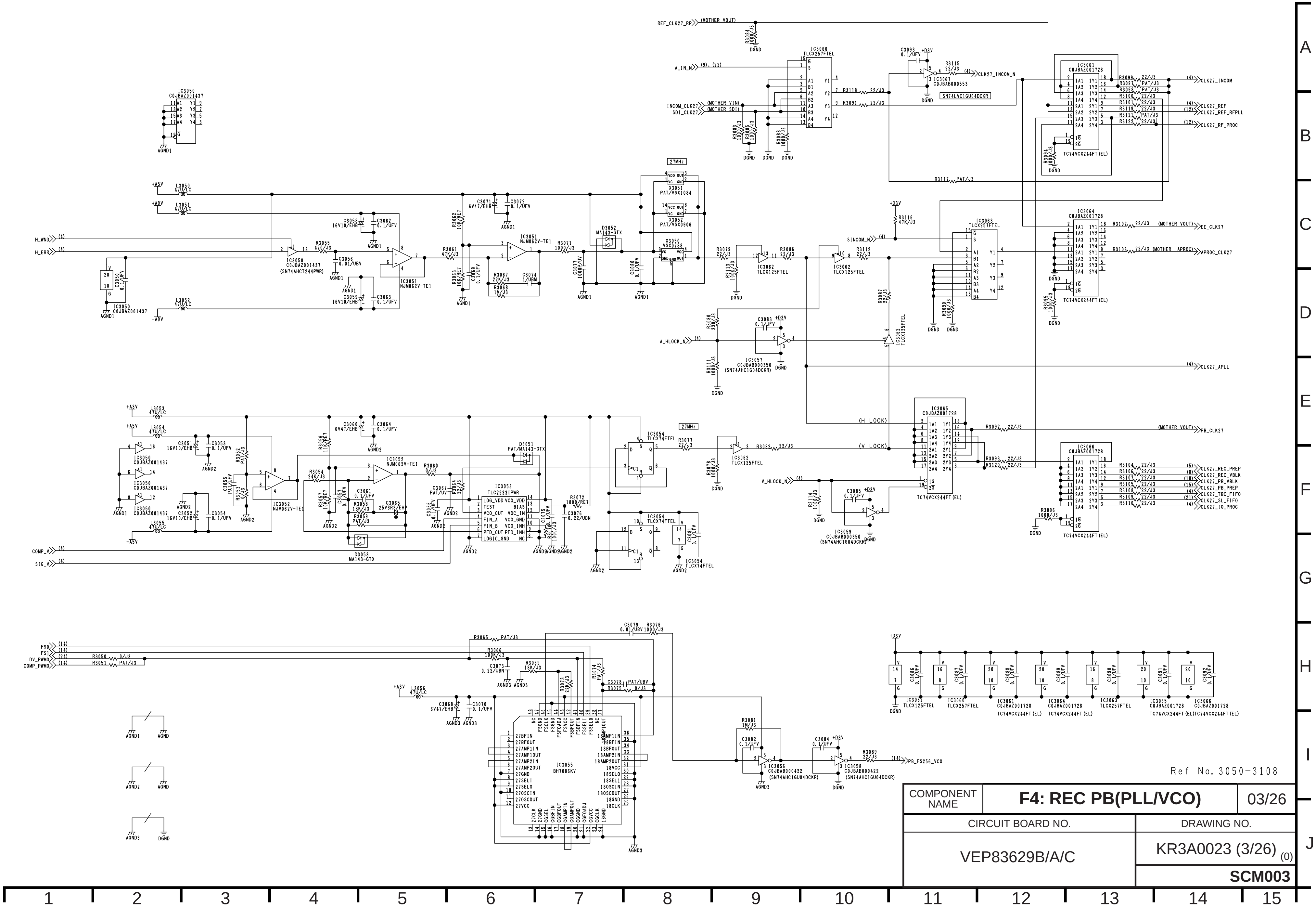


+12V (MOTHER)
IC3012 NJM78L09UAT2
+A9V
-12V (MOTHER)
IC3015 NJM79L09UAT2
-A9V
MA716-TX D3010
+3.2V-2 (MOTHER)
IC4001 XC6203P252PR
+D2.5V
Q4000 HAT1033T-EL
+3.2V-1 (MOTHER)
L3010 1300Ω VLF1151A132T
+D3V
IC4000 C0EBE0000209 R3112N271A-TR
QR4000 UN5214-TX
IC3010 LT1086CM-TR
+D1.8V
IC3011 XC62FP1802PR
+A1.8V
+5V (MOTHER)
L3011 1300Ω VLF1151A132T
+D5V
IC3018 XC62FP3202PR
+A3V
(RH5RZ50CA-T1) IC3019 C0CBADC00063
+6V (MOTHER)
+A5V
IC3020 XC62DN5002PL
-6V (MOTHER)
-A5V
TG3020 TG3021 TG3022 TG3023 TG3024 TG3025 EYF6CU
R3028 D1H810240001
TD_REC_PREP TMS TCK TRST TD_END
TP3015 TP3016 TP3017 TP3018 TP3019
IC BST
EPC_DCLK1 EPC_DATA1 EPC_OE1 EPC_NCS1
EPC_DCLK2 EPC_DATA2 EPC_OE2 EPC_NCS2
ISP_PLD_TD_DV
TP3014
CONF_INFO ISP_TDO
ISP_TDI ISP_TMS ISP_TCK
ISP_SEL CONFIG_DONE_P
IC3014 C0JBAZ001003 (SN74LV244APWR)
IP3016 EPC2TC32
IP3017 EPC2TC32
IC3013 C0JBAZ001121 (SN74LV541APWR)
P3010 VJP3125D008
VCC TDO TDI TRST NC TMS GND TCK
ISP_PLD_TCK ISP_PLD_TMS ISP_PLD_TRST
TP3013 TP3012 TP3011 TP3010
PLD BST
ISP_PLD_TD_END
R3032 PAT/J3
IC3013 C0JBAZ001121
IC3014 C0JBAZ001003

	ID0
T, P, E, MC	VSI4114*

Ref No. 3010-3045, 4000-4099

COMPONENT NAME	F4: REC PB(POWER)	02/26
CIRCUIT BOARD NO.	DRAWING NO.	
VEP83629B/A/C	KR3A0023 (2/26) (0)	
	SCM002	


REF_CLK27_RP
(MOTHER VOUT)
A_IN_N
INCOM_CLK27
SDI_CLK27
(MOTHER VIN)
(MOTHER SDI)
IC3060
TLCX257FTEL
IC3067
C0JBAB000553
SN74LVC1GU04DCKR
CLK27_INCOM_N
IC3061
C0JBAZ001728
TC74VCX244FT(EL)
CLK27_INCOM
CLK27_REF
CLK27_REF_RFPLL
CLK27_RF_PROC
IC3050
C0JBAZ001437
H_WND
H_ERR
+A5V
+A9V
-A5V
L3050
L3051
L3052
IC3051
NJM062V-TE1
SN74AHCT244PWR
27MHz
X3051
PAT/VSX1084
X3052
PAT/VSX0806
X3050
VSX0788
D3052
MA143-GTX
IC3062
TLCX125FTEL
IC3063
TLCX257FTEL
IC3064
C0JBAZ001728
EE_CLK27
APROC_CLK27
SINCOM_N
+D3V
A_HLOCK_N
IC3057
C0JBAB000350
SN74AHC1G04DCKR
CLK27_APLL
IC3065
C0JBAZ001728
(H LOCK)
(V LOCK)
PB_CLK27
IC3066
C0JBAZ001728
CLK27_REC_PREP
CLK27_REC_VBLK
CLK27_PB_VBLK
CLK27_PB_PREP
CLK27_TBC_FIFO
CLK27_SL_FIFO
CLK27_IO_PROC
V_HLOCK_N
IC3059
IC3052
NJM062V-TE1
IC3053
TLC2933IPWR
D3051
PAT/MA143-GTX
D3053
MA143-GTX
IC3054
TLCX74FTEL
COMP_V
SIG_V
FS0
FS1
DV_PWMO
COMP_PWMO
IC3055
BH7086KV
+A3V
L3056
IC3056
C0JBAB000422
SN74AHC1GU04DCKR
IC3058
PB_FS256_VCO
AGND1
AGND2
AGND3
DGND
A
B
C
D
E
F
G
H
I
J
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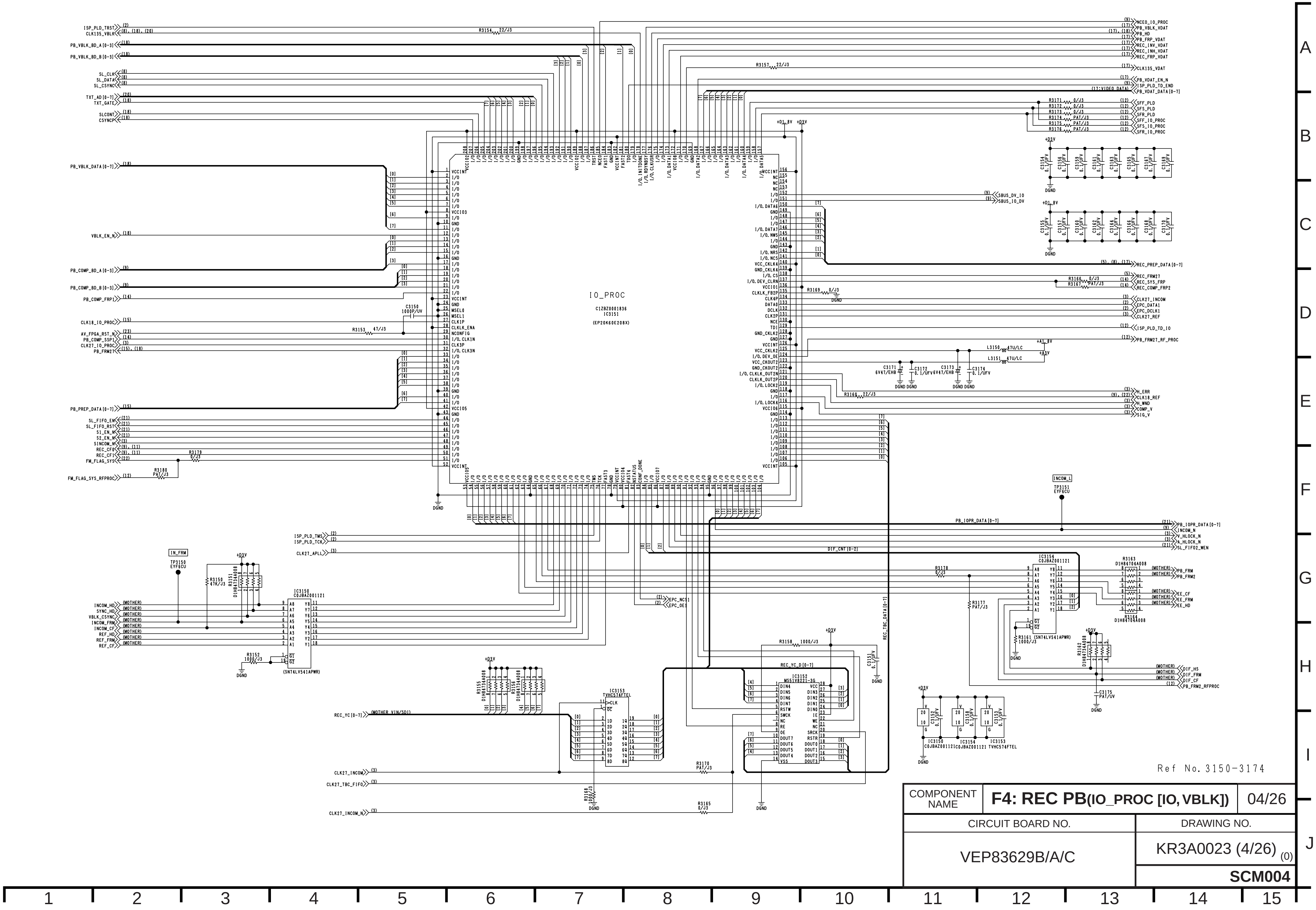
Ref No. 3050-3108

COMPONENT NAME	F4: REC PB(PLL/VCO)	03/26
CIRCUIT BOARD NO.	DRAWING NO.	
VEP83629B/A/C	KR3A0023 (3/26) (0)	
	SCM003	



IO_PROC
C1ZBZ0001836
IC3151
(EP20K60E208X)
IC3150
C0JBAZ001121
(SN74LV541APWR)
IC3152
IC3153
TVHC574FTEL
IC3154
C0JBAZ001121
IN_FRM
TP3150
EYF6CU
INCOM_L
TP3151
EYF6CU
PB_IOPR_DATA[0-7]
DIF_CNT[0-2]
REC_YC_D[0-7]
REC_TBC_DATA[0-7]
DGND
+D3V
+D1.8V
A
B
C
D
E
F
G
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J
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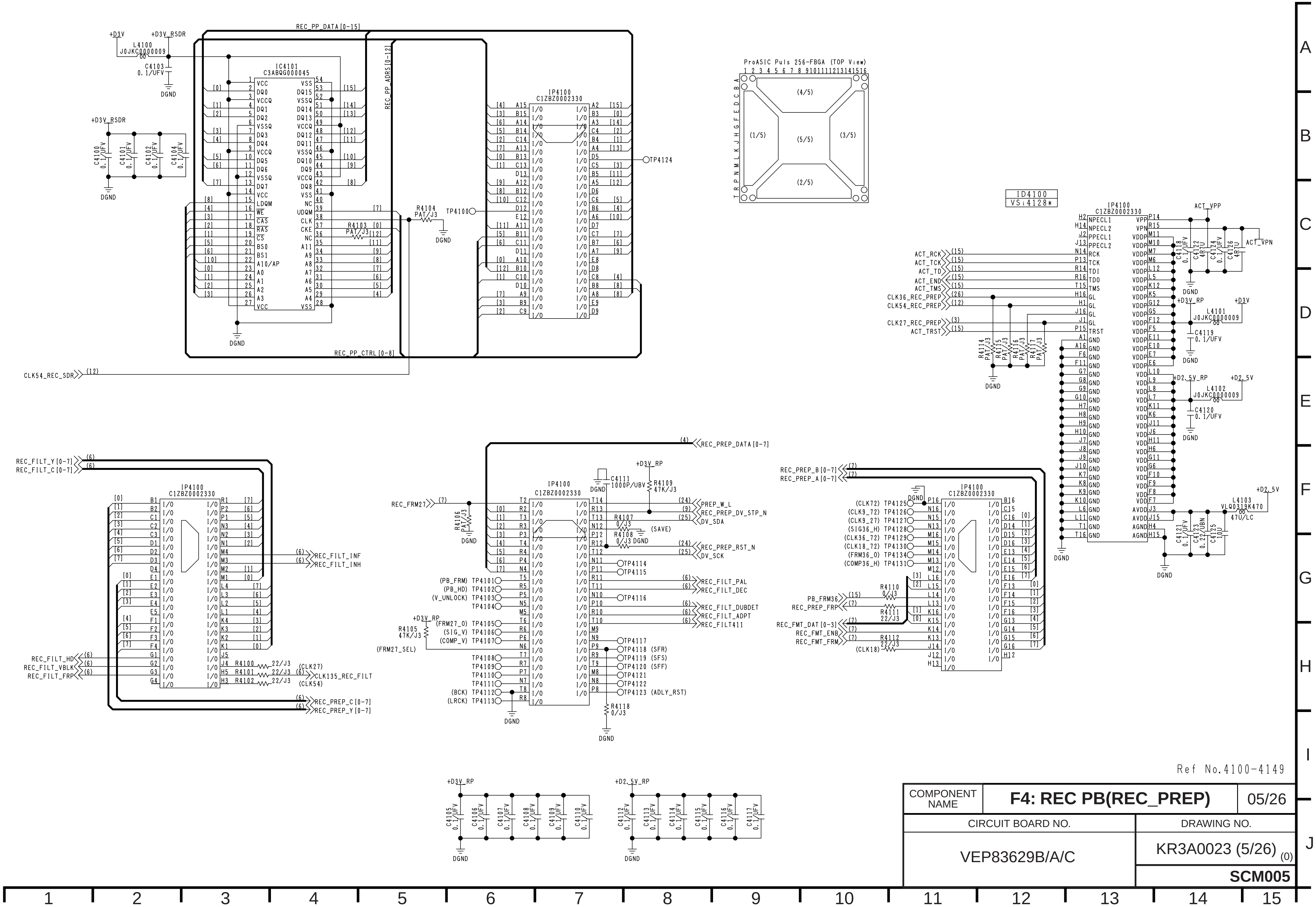
Ref No. 3150-3174

COMPONENT NAME	F4: REC PB(IO_PROC [IO, VBLK])	04/26

CIRCUIT BOARD NO.	DRAWING NO.
VEP83629B/A/C	KR3A0023 (4/26) (0)
	SCM004


REC_PP_DATA[0-15]
REC_PP_ADRS[0-12]
REC_PP_CTRL[0-8]
+D3V
+D3V_RSDR
L4100
J0JKC0000009
C4103
0.1/UFV
DGND
IC4101
C3ABQG000045
C4100
C4101
C4102
C4104
0.1/UFV
IP4100
C1ZBZ0002330
R4104
PAT/J3
R4103
TP4100
TP4124
CLK54_REC_SDR
ProASIC Puls 256-FBGA (TOP View)
(1/5)
(2/5)
(3/5)
(4/5)
(5/5)
ID4100
VS:4128*
ACT_VPP
ACT_VPN
ACT_RCK
ACT_TCK
ACT_TDI
ACT_END
ACT_TMS
CLK36_REC_PREP
CLK54_REC_PREP
CLK27_REC_PREP
ACT_TRST
R4114
R4115
R4116
R4117
C4118
C4122
C4124
C4126
+D3V_RP
L4101
C4119
+D2.5V_RP
+D2.5V
L4102
C4120
L4103
VLQ0319K470
C4121
C4123
C4125
REC_FILT_Y[0-7]
REC_FILT_C[0-7]
REC_FILT_INF
REC_FILT_INH
REC_FILT_HD
REC_FILT_VBLK
REC_FILT_FRP
R4100
R4101
R4102
22/J3
(CLK27)
CLK135_REC_FILT
(CLK54)
REC_PREP_C[0-7]
REC_PREP_Y[0-7]
REC_PREP_DATA[0-7]
REC_FRM27
R4106
R4105
47K/J3
(FRM27_SEL)
C4111
1000P/UBV
R4109
47K/J3
R4107
R4108
0/J3
(SAVE)
PREP_W_L
REC_PREP_DV_STP_N
DV_SDA
REC_PREP_RST_N
DV_SCK
REC_FILT_PAL
REC_FILT_DEC
REC_FILT_DUBDET
REC_FILT_ADPT
REC_FILT411
R4118
TP4114
TP4115
TP4116
TP4117
TP4118 (SFR)
TP4119 (SFS)
TP4120 (SFF)
TP4121
TP4122
TP4123 (ADLY_RST)
(PB_FRM) TP4101
(PB_HD) TP4102
(V_UNLOCK) TP4103
TP4104
(FRM27_0) TP4105
(SIG_V) TP4106
(COMP_V) TP4107
TP4108
TP4109
TP4110
TP4111
(BCK) TP4112
(LRCK) TP4113
REC_PREP_B[0-7]
REC_PREP_A[0-7]
(CLK72) TP4125
(CLK9_72) TP4126
(CLK9_27) TP4127
(SIG36_H) TP4128
(CLK36_72) TP4129
(CLK18_72) TP4130
(FRM36_0) TP4134
(COMP36_H) TP4131
PB_FRM36
REC_PREP_FRP
REC_FMT_DAT[0-3]
REC_FMT_ENB
REC_FMT_FRM
R4110
R4111
R4112
(CLK18)
C4105
C4106
C4107
C4108
C4109
C4110
C4112
C4113
C4114
C4115
C4116
C4117
1
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A
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C
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F
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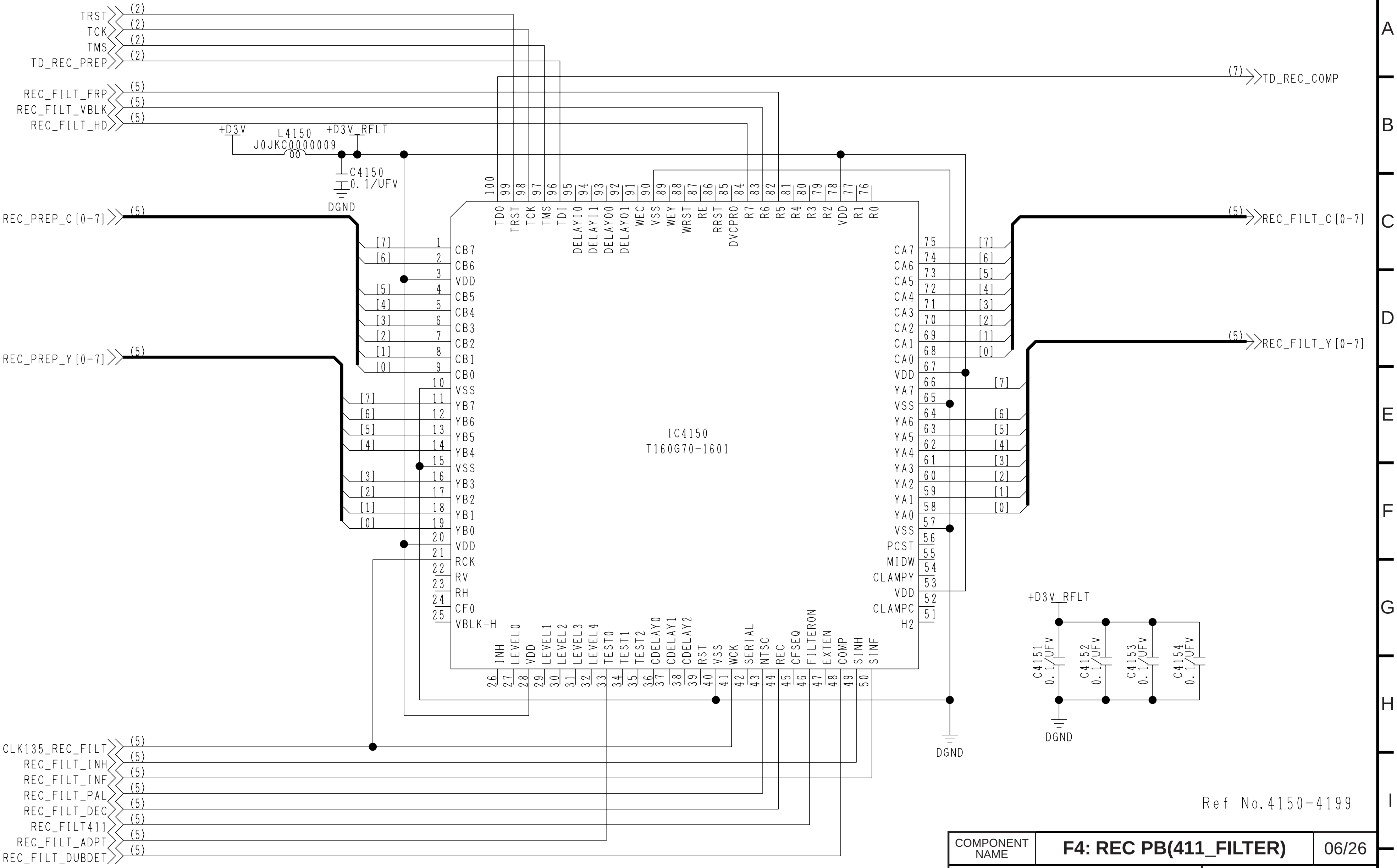
I
J

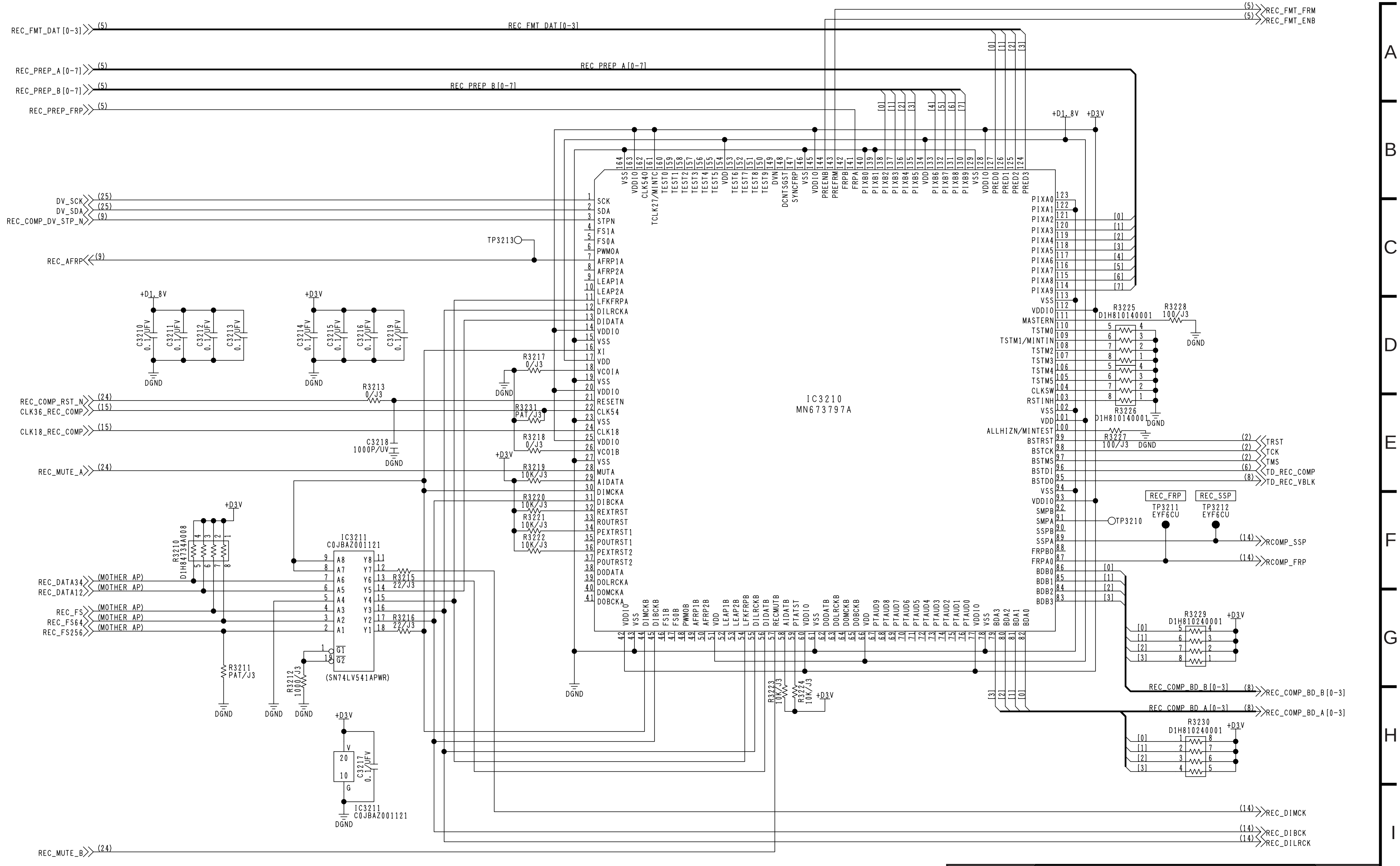
Ref No.4100-4149

COMPONENT NAME	F4: REC PB(REC_PREP)	05/26
CIRCUIT BOARD NO.	DRAWING NO.	
VEP83629B/A/C	KR3A0023 (5/26) (0)	
	SCM005	


TRST (2)
TCK (2)
TMS (2)
TD_REC_PREP (2)
REC_FILT_FRP (5)
REC_FILT_VBLK (5)
REC_FILT_HD (5)
(7) TD_REC_COMP
+D3V
L4150
J0JKC0000009
+D3V_RFLT
C4150
0.1/UFV
DGND
REC_PREP_C[0-7] (5)
REC_PREP_Y[0-7] (5)
(5) REC_FILT_C[0-7]
(5) REC_FILT_Y[0-7]
[7] [6] [5] [4] [3] [2] [1] [0]
IC4150
T160G70-1601
1 CB7
2 CB6
3 VDD
4 CB5
5 CB4
6 CB3
7 CB2
8 CB1
9 CB0
10 VSS
11 YB7
12 YB6
13 YB5
14 YB4
15 VSS
16 YB3
17 YB2
18 YB1
19 YB0
20 VDD
21 RCK
22 RV
23 RH
24 CF0
25 VBLK-H
26 INH
27 LEVEL0
28 VDD
29 LEVEL1
30 LEVEL2
31 LEVEL3
32 LEVEL4
33 TEST0
34 TEST1
35 TEST2
36 CDELAY0
37 CDELAY1
38 CDELAY2
39 RST
40 VSS
41 WCK
42 SERIAL
43 NTSC
44 REC
45 CFSEQ
46 FILTERON
47 EXTEN
48 COMP
49 SINH
50 SINF
51 H2
52 CLAMPC
53 VDD
54 CLAMPY
55 MIDW
56 PCST
57 VSS
58 YA0
59 YA1
60 YA2
61 YA3
62 YA4
63 YA5
64 YA6
65 VSS
66 YA7
67 VDD
68 CA0
69 CA1
70 CA2
71 CA3
72 CA4
73 CA5
74 CA6
75 CA7
76 R0
77 R1
78 VDD
79 R2
80 R3
81 R4
82 R5
83 R6
84 R7
85 DVCPRO
86 RRST
87 RE
88 WRST
89 WEY
90 VSS
91 WEC
92 DELAYO1
93 DELAYO0
94 DELAYI1
95 DELAYI0
96 TDI
97 TMS
98 TCK
99 TRST
100 TDO
+D3V_RFLT
C4151 0.1/UFV
C4152 0.1/UFV
C4153 0.1/UFV
C4154 0.1/UFV
DGND
DGND
CLK135_REC_FILT (5)
REC_FILT_INH (5)
REC_FILT_INF (5)
REC_FILT_PAL (5)
REC_FILT_DEC (5)
REC_FILT411 (5)
REC_FILT_ADPT (5)
REC_FILT_DUBDET (5)

Ref No.4150-4199

COMPONENT NAME	F4: REC PB(411_FILTER)	06/26
CIRCUIT BOARD NO.	DRAWING NO.	
VEP83629B/A/C	KR3A0023 (6/26) (0)	
	SCM006	


REC_FMT_DAT[0-3]
REC_PREP_A[0-7]
REC_PREP_B[0-7]
REC_PREP_FRP
DV_SCK
DV_SDA
REC_COMP_DV_STP_N
REC_AFRP
TP3213
+D1.8V
+D3V
C3210 0.1/UFV
C3211 0.1/UFV
C3212 0.1/UFV
C3213 0.1/UFV
C3214 0.1/UFV
C3215 0.1/UFV
C3216 0.1/UFV
C3219 0.1/UFV
DGND
REC_COMP_RST_N
CLK36_REC_COMP
CLK18_REC_COMP
R3213 0/J3
C3218 1000P/UV
R3217 0/J3
R3231 PAT/J3
R3218 0/J3
R3219 10K/J3
R3220 10K/J3
R3221 10K/J3
R3222 10K/J3
REC_MUTE_A
R3210 D1H84734A008
REC_DATA34
REC_DATA12
REC_FS
REC_FS64
REC_FS256
(MOTHER AP)
R3211 PAT/J3
R3212 100/J3
IC3211 C0JBAZ001121
(SN74LV541APWR)
R3215 22/J3
R3216 22/J3
C3217 0.1/UFV
IC3210 MN673797A
R3225 D1H810140001
R3226 D1H810140001
R3227 100/J3
R3228 100/J3
REC_FMT_FRM
REC_FMT_ENB
TRST
TCK
TMS
TD_REC_COMP
TD_REC_VBLK
REC_FRP
REC_SSP
TP3211 EYF6CU
TP3212 EYF6CU
TP3210
RCOMP_SSP
RCOMP_FRP
R3229 D1H810240001
R3230 D1H810240001
R3223 10K/J3
R3224 10K/J3
REC_COMP_BD_B[0-3]
REC_COMP_BD_A[0-3]
REC_DIMCK
REC_DIBCK
REC_DILRCK
REC_MUTE_B
A
B
C
D
E
F
G
H
I
J
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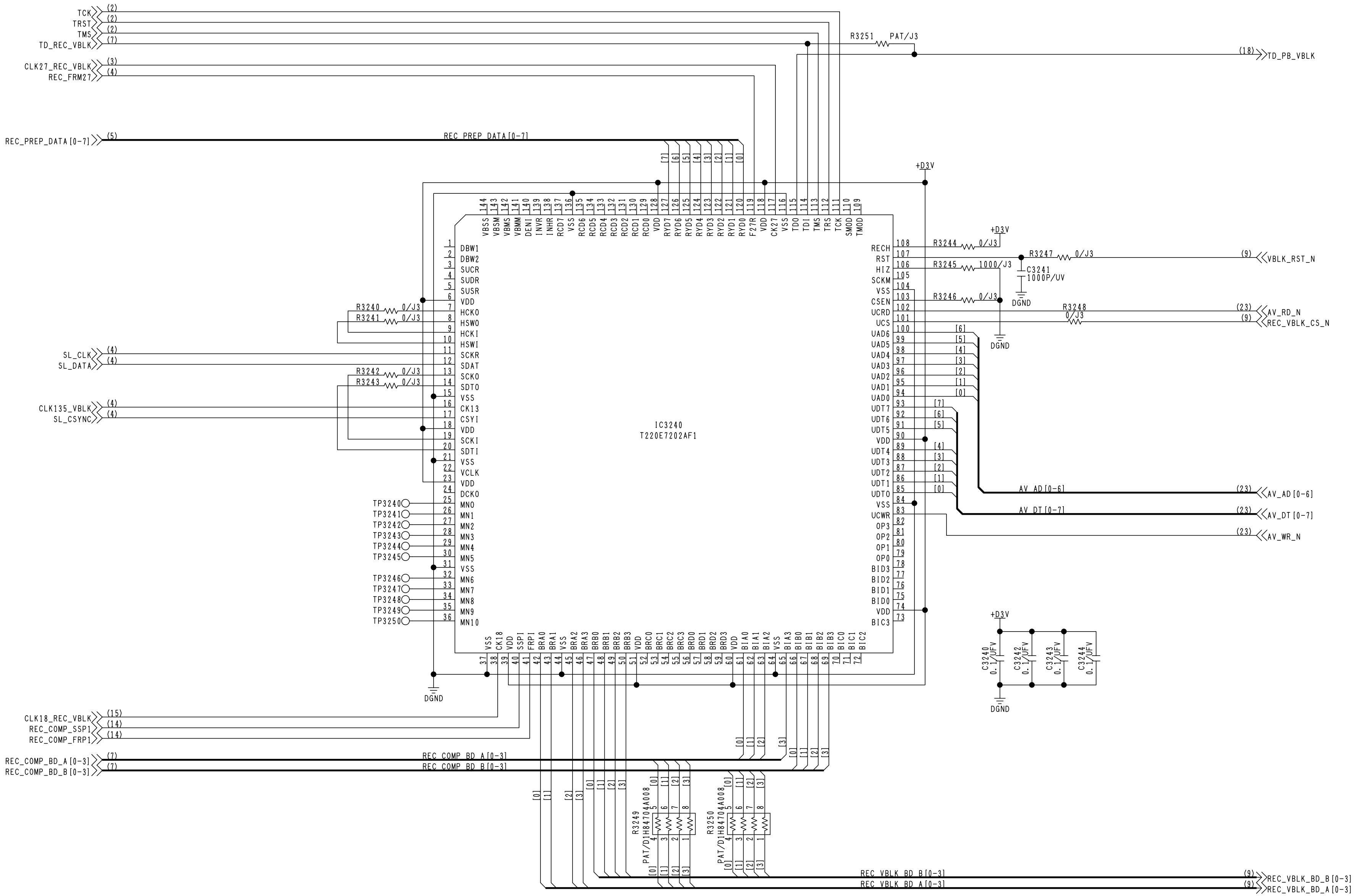
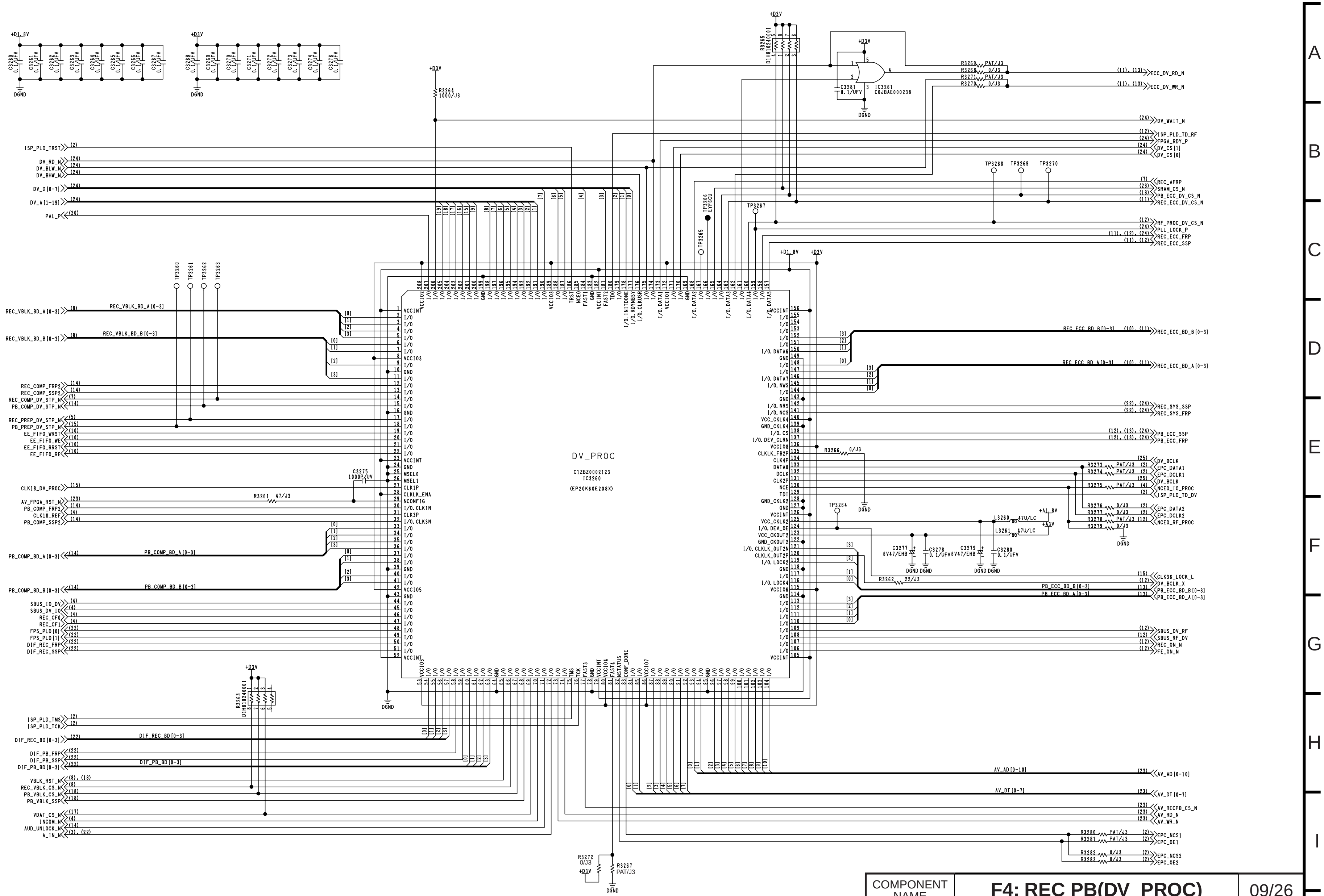
Ref No. 3210-3233

COMPONENT NAME	F4: REC PB(REC_COMP)	07/26
CIRCUIT BOARD NO.	DRAWING NO.	
VEP83629B/A/C	KR3A0023 (7/26) (0)	
	SCM007	

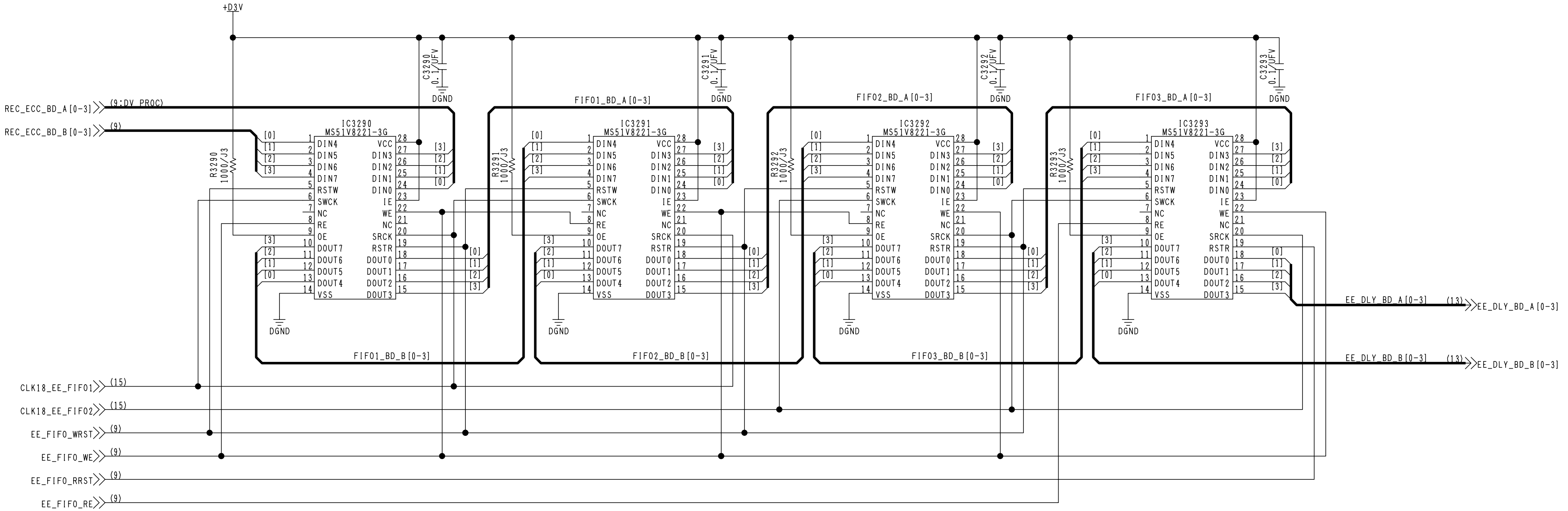

TCK (2)
TRST (2)
TMS (2)
TD_REC_VBLK (7)
CLK27_REC_VBLK (3)
REC_FRM27 (4)
REC_PREP_DATA[0-7] (5)
REC PREP DATA[0-7]
R3251 PAT/J3
(18) TD_PB_VBLK
+D3V
IC3240
T220E7202AF1
R3240 0/J3
R3241 0/J3
R3242 0/J3
R3243 0/J3
SL_CLK (4)
SL_DATA (4)
CLK135_VBLK (4)
SL_CSYNC (4)
TP3240
TP3241
TP3242
TP3243
TP3244
TP3245
TP3246
TP3247
TP3248
TP3249
TP3250
DGND
R3244 0/J3
R3245 1000/J3
R3246 0/J3
R3247 0/J3
R3248 0/J3
C3241 1000P/UV
(9) VBLK_RST_N
(23) AV_RD_N
(9) REC_VBLK_CS_N
AV AD[0-6]
(23) AV_AD[0-6]
AV DT[0-7]
(23) AV_DT[0-7]
(23) AV_WR_N
C3240 0.1/UFV
C3242 0.1/UFV
C3243 0.1/UFV
C3244 0.1/UFV
CLK18_REC_VBLK (15)
REC_COMP_SSP1 (14)
REC_COMP_FRP1 (14)
REC_COMP_BD_A[0-3] (7)
REC_COMP_BD_B[0-3] (7)
REC COMP BD A[0-3]
REC COMP BD B[0-3]
R3249 PAT/D1H84704A008
R3250 PAT/D1H84704A008
REC VBLK BD B[0-3]
REC VBLK BD A[0-3]
(9) REC_VBLK_BD_B[0-3]
(9) REC_VBLK_BD_A[0-3]

Ref No. 3240-3250

COMPONENT NAME	F4: REC PB(REC_VBLK)	08/26
CIRCUIT BOARD NO.	DRAWING NO.	
VEP83629B/A/C	KR3A0023 (8/26) (0) SCM008	

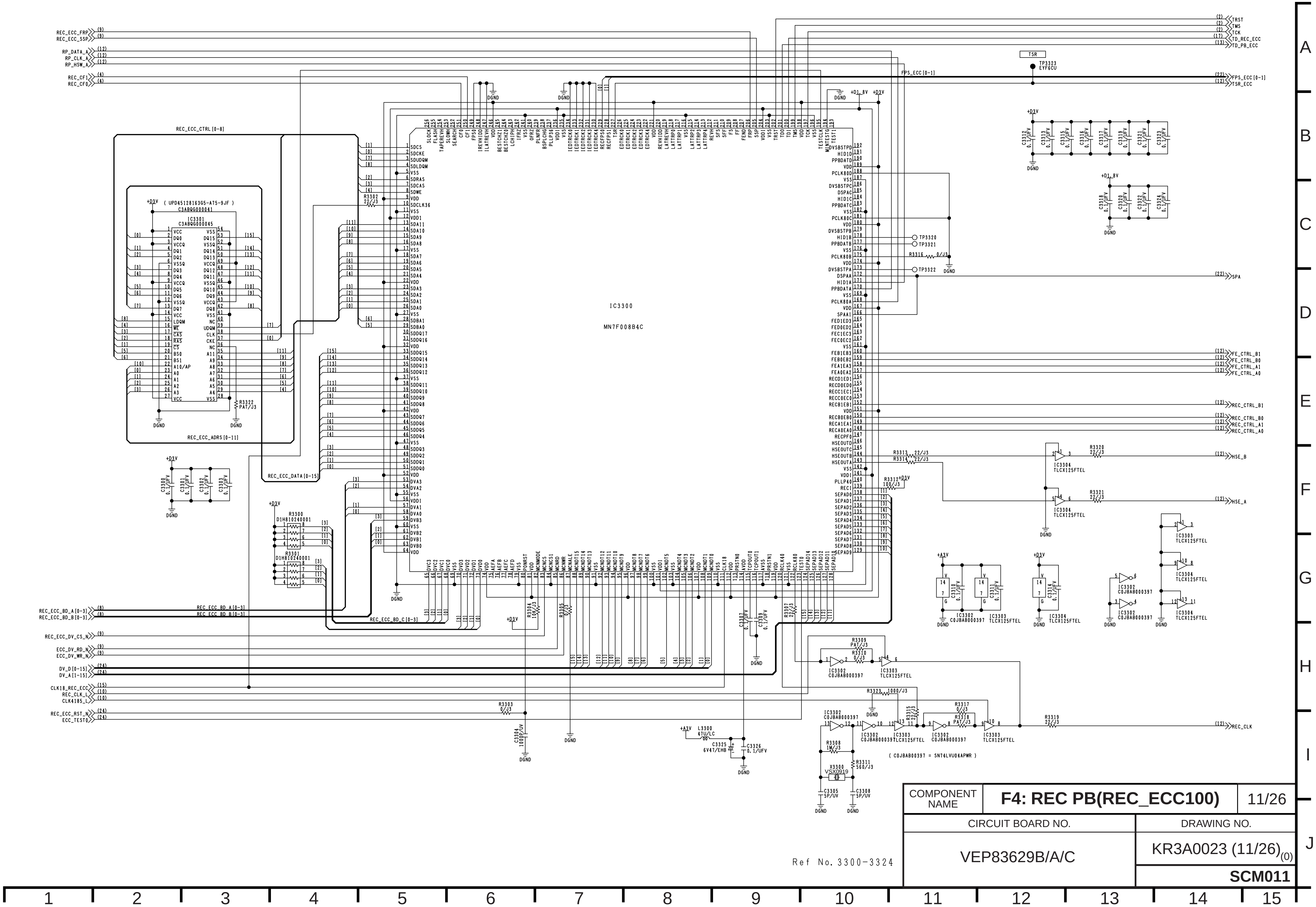

DV_PROC
C1ZBZ0002123
IC3260
(EP20K60E208X)
+D1.8V
+D3V
DGND
IC3261
C0JBAE000238
ECC_DV_RD_N
ECC_DV_WR_N
DV_WAIT_N
ISP_PLD_TD_RF
FPGA_RDY_P
DV_CS[1]
DV_CS[0]
REC_AFRP
SRAM_CS_N
PB_ECC_DV_CS_N
REC_ECC_DV_CS_N
RF_PROC_DV_CS_N
PLL_LOCK_P
REC_ECC_FRP
REC_ECC_SSP
ISP_PLD_TRST
DV_RD_N
DV_BLW_N
DV_BHW_N
DV_D[0-7]
DV_A[1-19]
PAL_P
REC_VBLK_BD_A[0-3]
REC_VBLK_BD_B[0-3]
REC_COMP_FRP2
REC_COMP_SSP2
REC_COMP_DV_STP_N
PB_COMP_DV_STP_N
REC_PREP_DV_STP_N
PB_PREP_DV_STP_N
EE_FIFO_WRST
EE_FIFO_WE
EE_FIFO_RRST
EE_FIFO_RE
CLK18_DV_PROC
AV_FPGA_RST_N
PB_COMP_FRP2
CLK18_REF
PB_COMP_SSP2
PB_COMP_BD_A[0-3]
PB_COMP_BD_B[0-3]
SBUS_IO_DV
SBUS_DV_IO
REC_CF0
REC_CF1
FPS_PLD[0]
FPS_PLD[1]
DIF_REC_FRP
DIF_REC_SSP
REC_ECC_BD_B[0-3]
REC_ECC_BD_A[0-3]
REC_SYS_SSP
REC_SYS_FRP
PB_ECC_SSP
PB_ECC_FRP
DV_BCLK
EPC_DATA1
EPC_DCLK1
NCEO_IO_PROC
ISP_PLD_TD_DV
EPC_DATA2
EPC_DCLK2
NCEO_RF_PROC
CLK36_LOCK_L
DV_BCLK_X
PB_ECC_BD_B[0-3]
PB_ECC_BD_A[0-3]
SBUS_DV_RF
SBUS_RF_DV
REC_ON_N
FE_ON_N
ISP_PLD_TMS
ISP_PLD_TCK
DIF_REC_BD[0-3]
DIF_PB_FRP
DIF_PB_SSP
DIF_PB_BD[0-3]
VBLK_RST_N
REC_VBLK_CS_N
PB_VBLK_CS_N
PB_VBLK_SSP
VDAT_CS_N
INCOM_N
AUD_UNLOCK_N
A_IN_N
AV_AD[0-10]
AV_DT[0-7]
AV_RECPB_CS_N
AV_RD_N
AV_WR_N
EPC_NCS1
EPC_OE1
EPC_NCS2
EPC_OE2
TP3260
TP3261
TP3262
TP3263
TP3264
TP3265
TP3266
TP3267
TP3268
TP3269
TP3270
R3261 47/J3
R3262 22/J3
R3264 1000/J3
R3266 0/J3
R3267 PAT/J3
R3272 0/J3
C3275 1000P/UV
C3277 6V47/EHB
C3278 0.1/UFV
C3279 6V47/EHB
C3280 0.1/UFV
C3281 0.1/UFV
L3260 47U/LC
L3261 47U/LC
+A1.8V
+A3V

COMPONENT NAME	F4: REC PB(DV_PROC)	09/26
CIRCUIT BOARD NO.	DRAWING NO.	
VEP83629B/A/C	KR3A0023 (9/26) (0)	
	SCM009	


+D3V
C3290 0.1/UFV
C3291 0.1/UFV
C3292 0.1/UFV
C3293 0.1/UFV
DGND
REC_ECC_BD_A[0-3]
(9:DV PROC)
REC_ECC_BD_B[0-3]
(9)
FIFO1_BD_A[0-3]
FIFO2_BD_A[0-3]
FIFO3_BD_A[0-3]
IC3290 MS51V8221-3G
IC3291 MS51V8221-3G
IC3292 MS51V8221-3G
IC3293 MS51V8221-3G
R3290 1000/J3
R3291 1000/J3
R3292 1000/J3
R3293 1000/J3
DIN4
DIN5
DIN6
DIN7
RSTW
SWCK
NC
RE
OE
DOUT7
DOUT6
DOUT5
DOUT4
VSS
VCC
DIN3
DIN2
DIN1
DIN0
IE
WE
NC
SRCK
RSTR
DOUT0
DOUT1
DOUT2
DOUT3
FIFO1_BD_B[0-3]
FIFO2_BD_B[0-3]
FIFO3_BD_B[0-3]
EE_DLY_BD_A[0-3]
(13)
EE_DLY_BD_A[0-3]
EE_DLY_BD_B[0-3]
(13)
EE_DLY_BD_B[0-3]
CLK18_EE_FIFO1
(15)
CLK18_EE_FIFO2
(15)
EE_FIFO_WRST
(9)
EE_FIFO_WE
(9)
EE_FIFO_RRST
(9)
EE_FIFO_RE
(9)

Ref No.3290-3294

COMPONENT NAME	F4: REC PB(DVBUS_EE_FIFO)	10/26
CIRCUIT BOARD NO.	DRAWING NO.	
VEP83629B/A/C	KR3A0023 (10/26)$_{(0)}$	
	SCM010	


IC3300
MN7F008B4C
IC3301
C3ABQG000045
(UPD4512816365-A75-9JF)
C3ABQG000041
IC3302
C0JBAB000397
IC3303
TLCX125FTEL
IC3304
TLCX125FTEL
(C0JBAB000397 = SN74LVU04APWR)
REC_ECC_FRP
REC_ECC_SSP
RP_DATA_A
RP_CLK_A
RP_HSW_A
REC_CF1
REC_CF0
REC_ECC_CTRL[0-8]
REC_ECC_ADRS[0-11]
REC_ECC_DATA[0-15]
REC_ECC_BD_A[0-3]
REC_ECC_BD_B[0-3]
REC_ECC_BD_C[0-3]
REC_ECC_DV_CS_N
REC_ECC_DV_RD_N
REC_ECC_DV_WR_N
DV_D[0-15]
DV_A[1-15]
CLK18_REC_ECC
REC_CLK_L
CLK4185_L
REC_ECC_RST_N
ECC_TEST0
TRST
TMS
TCK
TD_REC_ECC
TD_PB_ECC
TSR
TP3323
EYF6CU
FPS_ECC[0-1]
TSR_ECC
SPA
FE_CTRL_B1
FE_CTRL_B0
FE_CTRL_A1
FE_CTRL_A0
REC_CTRL_B1
REC_CTRL_B0
REC_CTRL_A1
REC_CTRL_A0
HSE_B
HSE_A
REC_CLK
TP3320
TP3321
TP3322
X3300
VSX0919
L3300
47U/LC
C3325
6V47/EHB
C3326
0.1/UFV
R3300
D1H810240001
R3301
D1H810240001
R3302
22/J3
R3322
PAT/J3
+D3V
+D1.8V
+A3V
DGND
Ref No.3300-3324
A
B
C
D
E
F
G
H
I
J
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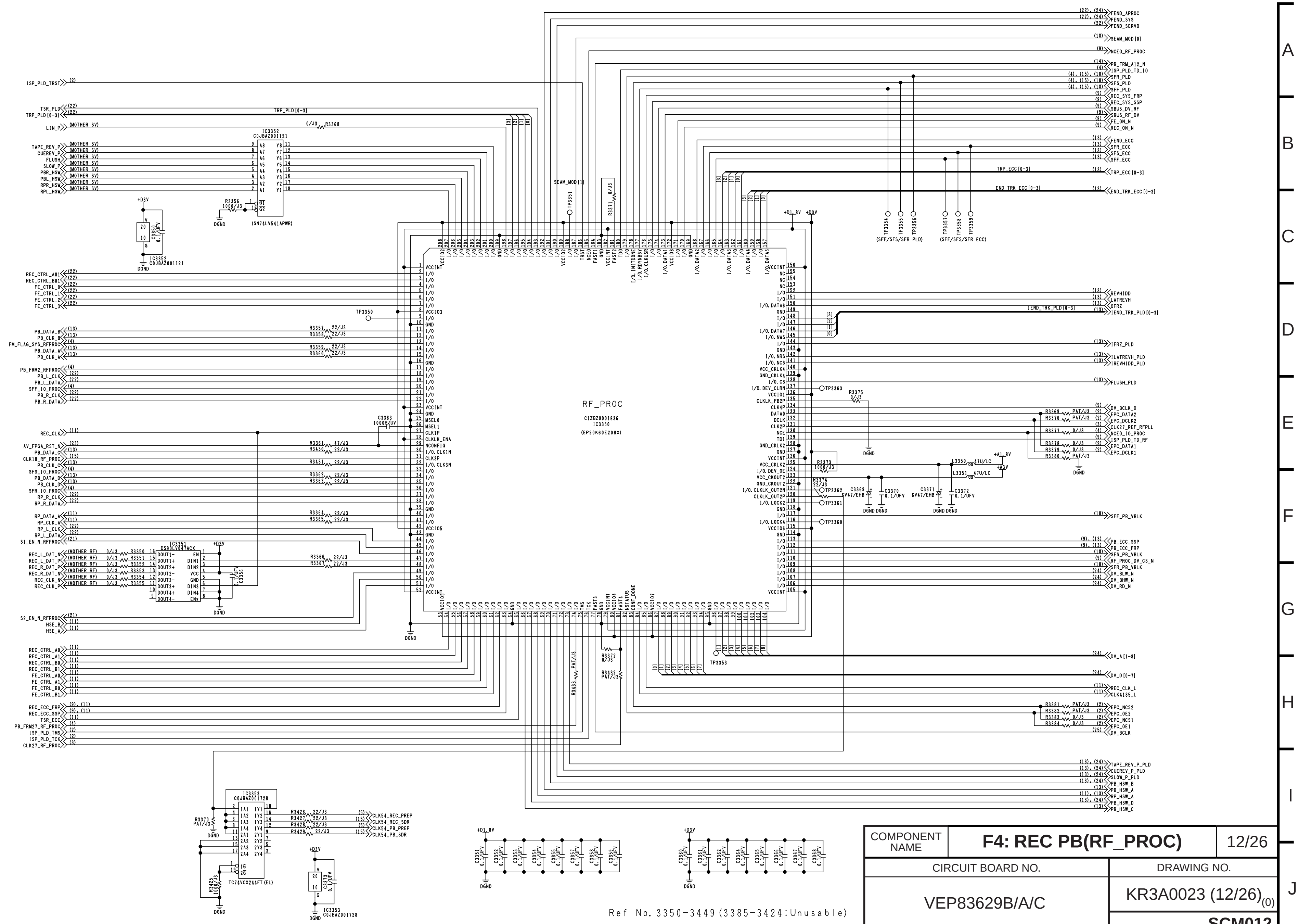
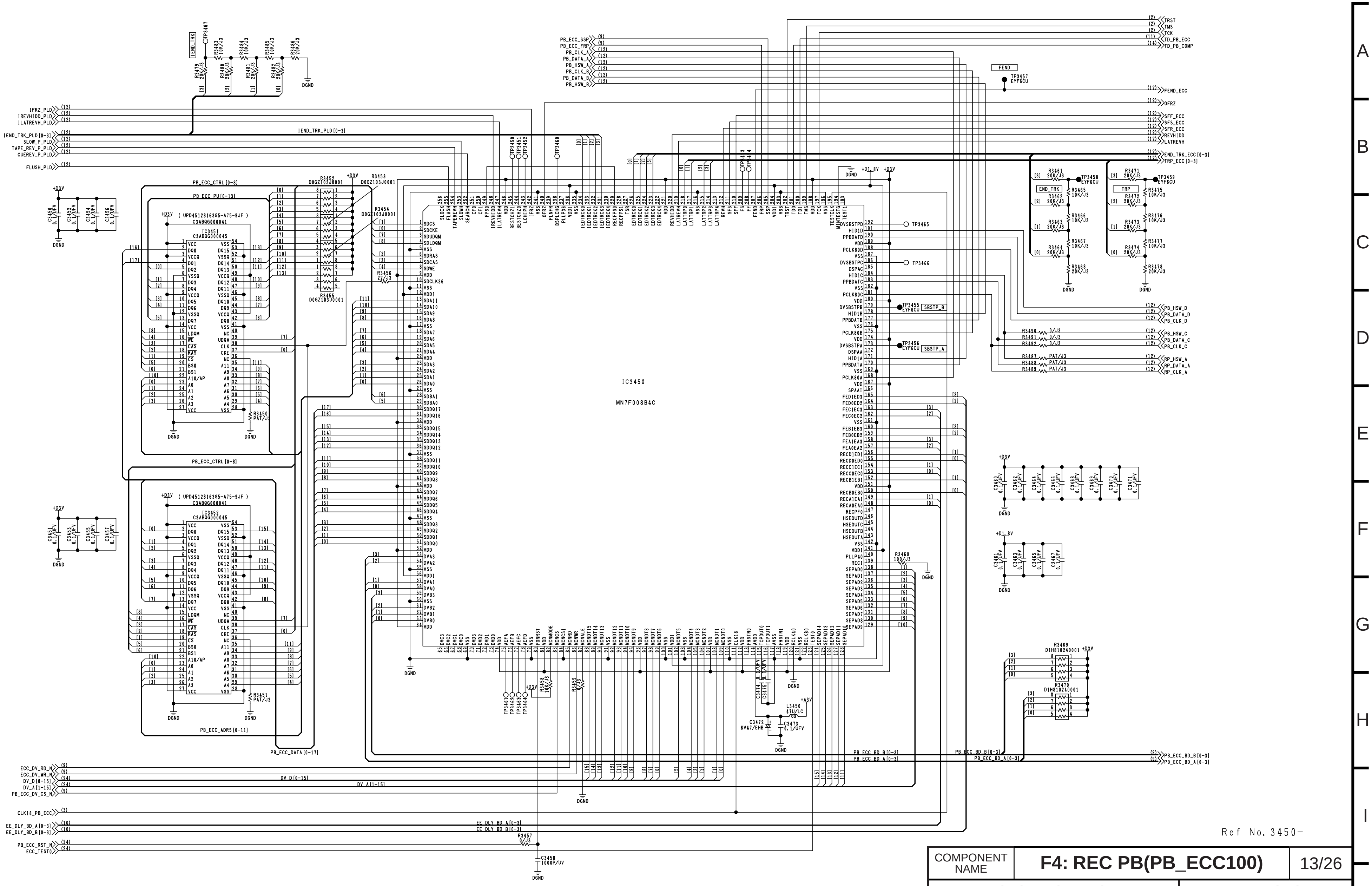
COMPONENT NAME	F4: REC PB(REC_ECC100)	11/26
CIRCUIT BOARD NO.		DRAWING NO.
VEP83629B/A/C		KR3A0023 (11/26)$_{(0)}$
		SCM011


RF_PROC
C1ZBZ0001836
IC3350
(EP20K60E208X)
IC3352
C0JBAZ001121
(SN74LV541APWR)
IC3351
DS90LV047ACX
IC3353
C0JBAZ001728
TC74VCX244FT(EL)
ISP_PLD_TRST
TSR_PLD
TRP_PLD[0-3]
LIN_P
TAPE_REV_P
CUEREV_P
FLUSH
SLOW_P
PBR_HSW
PBL_HSW
RPR_HSW
RPL_HSW
REC_CTRL_A01
REC_CTRL_B01
FE_CTRL_0
FE_CTRL_1
FE_CTRL_2
FE_CTRL_3
PB_DATA_B
PB_CLK_B
FM_FLAG_SYS_RFPROC
PB_DATA_A
PB_CLK_A
PB_FRM2_RFPROC
PB_L_CLK
PB_L_DATA
SFF_IO_PROC
PB_R_CLK
PB_R_DATA
REC_CLK
AV_FPGA_RST_N
PB_DATA_C
CLK18_RF_PROC
PB_CLK_C
SFS_IO_PROC
PB_DATA_D
PB_CLK_D
SFR_IO_PROC
RP_R_CLK
RP_R_DATA
RP_DATA_A
RP_CLK_A
RP_L_CLK
RP_L_DATA
S1_EN_N_RFPROC
REC_L_DAT_N
REC_L_DAT_P
REC_R_DAT_P
REC_R_DAT_N
REC_CLK_N
REC_CLK_P
S2_EN_N_RFPROC
HSE_B
HSE_A
REC_CTRL_A0
REC_CTRL_A1
REC_CTRL_B0
REC_CTRL_B1
FE_CTRL_A0
FE_CTRL_A1
FE_CTRL_B0
FE_CTRL_B1
REC_ECC_FRP
REC_ECC_SSP
TSR_ECC
PB_FRM27_RF_PROC
ISP_PLD_TMS
ISP_PLD_TCK
CLK27_RF_PROC
FEND_APROC
FEND_SYS
FEND_SERVO
SEAM_MOD[0]
NCEO_RF_PROC
PB_FRM_A12_N
ISP_PLD_TD_IO
SFR_PLD
SFS_PLD
SFF_PLD
REC_SYS_FRP
REC_SYS_SSP
SBUS_DV_RF
SBUS_RF_DV
FE_ON_N
REC_ON_N
FEND_ECC
SFR_ECC
SFS_ECC
SFF_ECC
TRP_ECC[0-3]
END_TRK_ECC[0-3]
REVHIDD
LATREVH
OFRZ
IEND_TRK_PLD[0-3]
IFRZ_PLD
ILATREVH_PLD
IREVHIDD_PLD
FLUSH_PLD
DV_BCLK_X
EPC_DATA2
EPC_DCLK2
CLK27_REF_RFPLL
NCEO_IO_PROC
ISP_PLD_TD_RF
EPC_DATA1
EPC_DCLK1
SFF_PB_VBLK
PB_ECC_SSP
PB_ECC_FRP
SFS_PB_VBLK
RF_PROC_DV_CS_N
SFR_PB_VBLK
DV_BLW_N
DV_BHW_N
DV_RD_N
DV_A[1-8]
DV_D[0-7]
REC_CLK_L
CLK4185_L
EPC_NCS2
EPC_OE2
EPC_NCS1
EPC_OE1
DV_BCLK
TAPE_REV_P_PLD
CUEREV_P_PLD
SLOW_P_PLD
PB_HSW_B
PB_HSW_A
RP_HSW_A
PB_HSW_D
PB_HSW_C
CLK54_REC_PREP
CLK54_REC_SDR
CLK54_PB_PREP
CLK54_PB_SDR
+D1.8V
+D3V
+A1.8V
+A3V
DGND
TP3350
TP3351
TP3353
TP3354
TP3355
TP3356
TP3357
TP3358
TP3359
TP3360
TP3361
TP3362
TP3363
(SFF/SFS/SFR PLD)
(SFF/SFS/SFR ECC)
L3350 47U/LC
L3351 47U/LC
C3363 1000P/UV
C3369 6V47/EHB
C3371 6V47/EHB

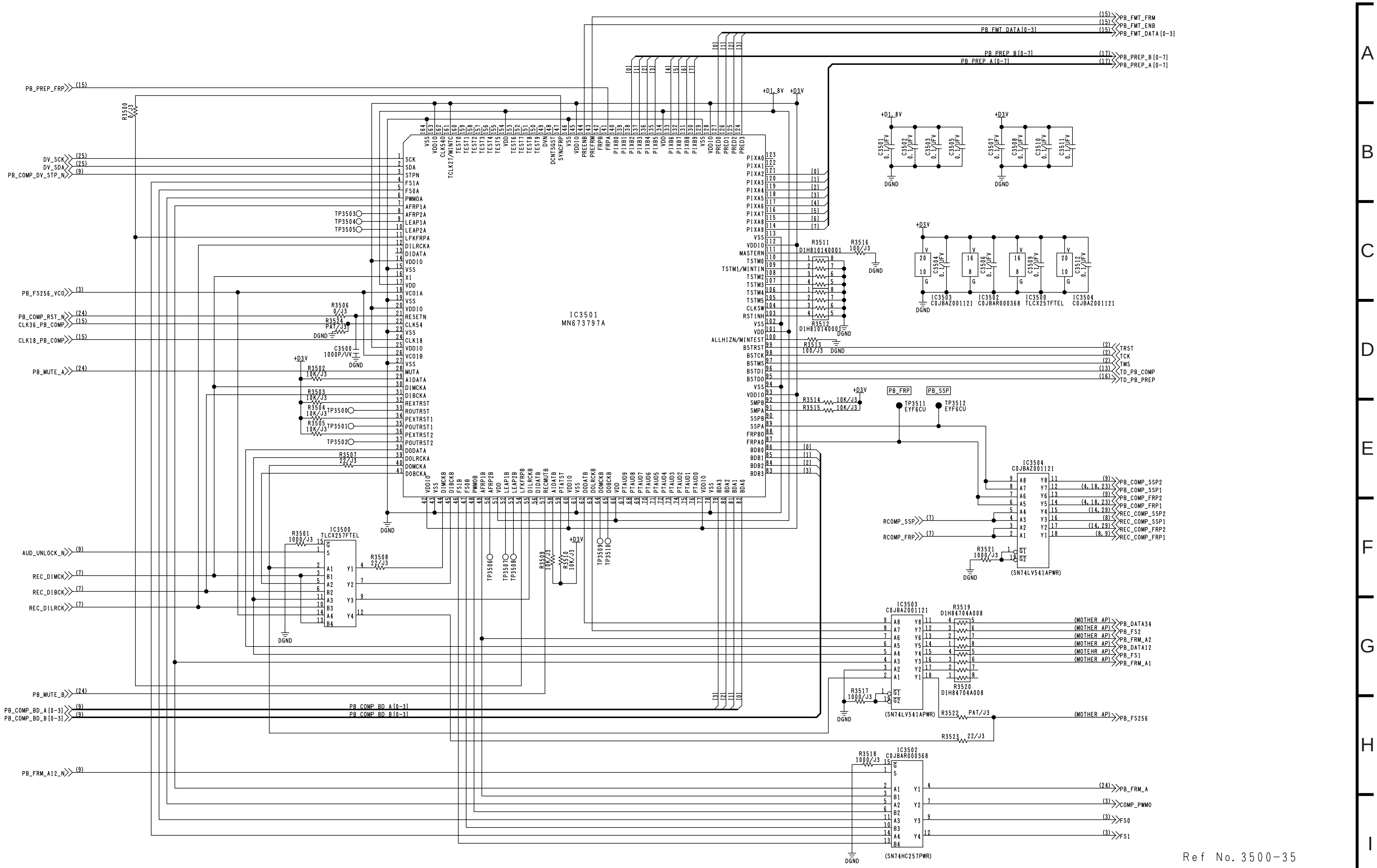
Ref No. 3350-3449(3385-3424:Unusable)

COMPONENT NAME	F4: REC PB(RF_PROC)	12/26
CIRCUIT BOARD NO.	DRAWING NO.	
VEP83629B/A/C	KR3A0023 (12/26)$_{(0)}$	
	SCM012	


IC3450
MN7F008B4C
IC3451
C3ABQG000045
(UPD45128163G5-A75-9JF)
C3ABQG000041
IC3452
C3ABQG000045
(UPD45128163G5-A75-9JF)
C3ABQG000041
PB_ECC_CTRL[0-8]
PB_ECC_PU[0-13]
PB_ECC_ADRS[0-11]
PB_ECC_DATA[0-17]
IEND_TRK_PLD[0-3]
IFRZ_PLD
IREVHIDD_PLD
ILATREVH_PLD
IEND_TRK_PLD[0-3]
SLOW_P_PLD
TAPE_REV_P_PLD
CUEREV_P_PLD
FLUSH_PLD
PB_ECC_SSP
PB_ECC_FRP
PB_CLK_A
PB_DATA_A
PB_HSW_A
PB_CLK_B
PB_DATA_B
PB_HSW_B
TRST
TMS
TCK
TD_PB_ECC
TD_PB_COMP
FEND
FEND_ECC
OFRZ
SFF_ECC
SFS_ECC
SFR_ECC
REVHIDD
LATREVH
END_TRK_ECC[0-3]
TRP_ECC[0-3]
PB_HSW_D
PB_DATA_D
PB_CLK_D
PB_HSW_C
PB_DATA_C
PB_CLK_C
RP_HSW_A
RP_DATA_A
RP_CLK_A
PB_ECC_BD_B[0-3]
PB_ECC_BD_A[0-3]
ECC_DV_RD_N
ECC_DV_WR_N
DV_D[0-15]
DV_A[1-15]
PB_ECC_DV_CS_N
CLK18_PB_ECC
EE_DLY_BD_A[0-3]
EE_DLY_BD_B[0-3]
PB_ECC_RST_N
ECC_TEST0
DGND
+D3V
+D1.8V
+A3V
L3450
47U/LC
C3472
6V47/EHB
C3473
0.1/UFV
C3458
1000P/UV
R3457
0/J3
R3469
D1H810240001
R3470
D1H810240001
R3453
D0GZ103J0001
R3454
D0GZ103J0001
R3455
D0GZ103J0001
R3450
D0GZ103J0001
R3456
22/J3
R3460
100/J3
TP3465
TP3466
TP3455
EYF6CU
SBSTP_B
TP3456
EYF6CU
SBSTP_A
TP3457
EYF6CU
TP3458
EYF6CU
TP3459
EYF6CU
END_TRK
TRP
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
A
B
C
D
E
F
G
H
I
J

Ref No. 3450-

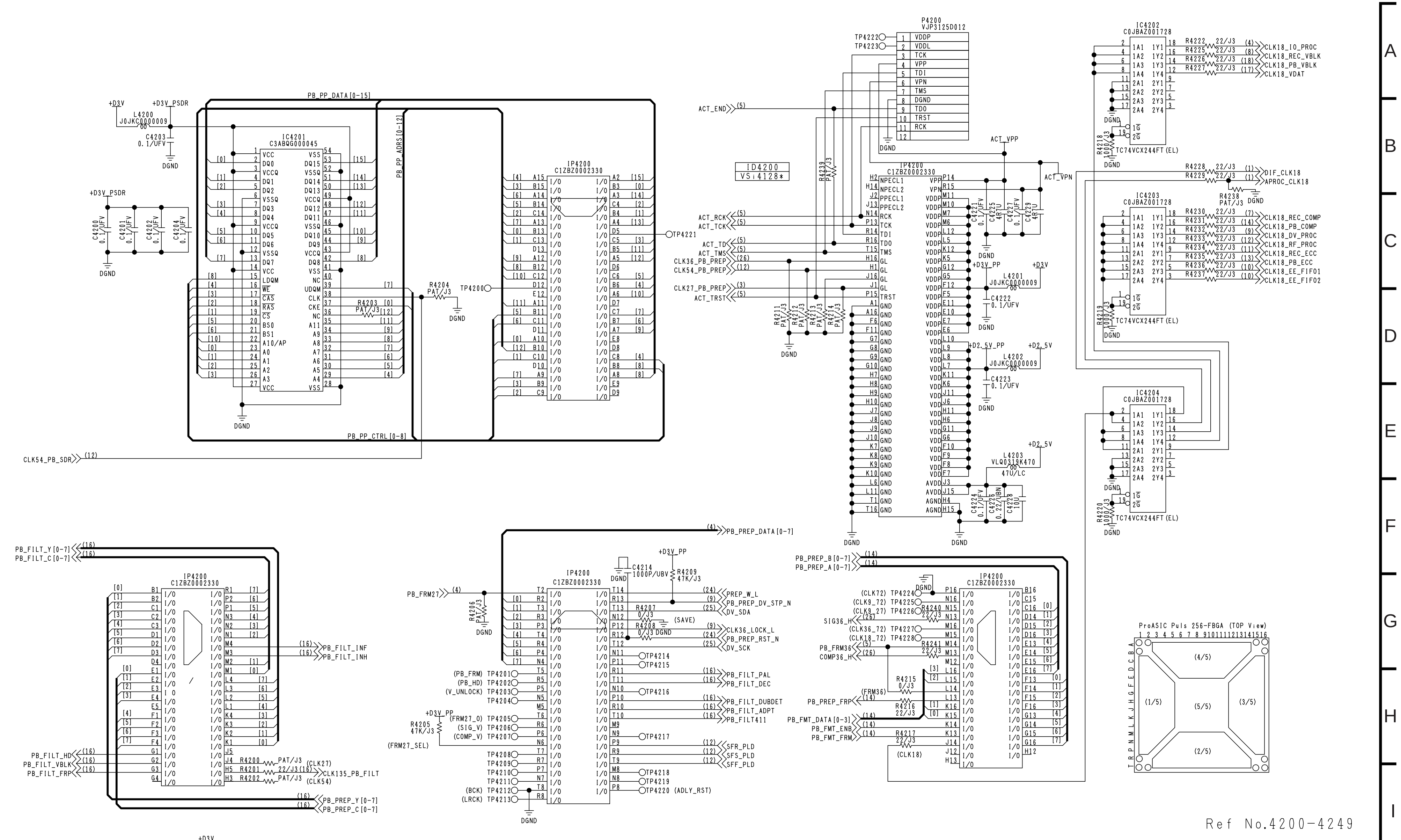
COMPONENT NAME	**F4: REC PB(PB_ECC100)**	13/26
CIRCUIT BOARD NO.	DRAWING NO.	
VEP83629B/A/C	KR3A0023 (13/26)$_{(0)}$	
	SCM013	


IC3501
MN673797A
IC3500
TLCX257FTEL
IC3502
C0JBAR000368
IC3503
C0JBAZ001121
IC3504
C0JBAZ001121
(SN74LV541APWR)
(SN74HC257PWR)
PB_PREP_FRP
DV_SCK
DV_SDA
PB_COMP_DV_STP_N
PB_FS256_VCO
PB_COMP_RST_N
CLK36_PB_COMP
CLK18_PB_COMP
PB_MUTE_A
AUD_UNLOCK_N
REC_DIMCK
REC_DIBCK
REC_DILRCK
PB_MUTE_B
PB_COMP_BD_A[0-3]
PB_COMP_BD_B[0-3]
PB_FRM_A12_N
PB_FMT_FRM
PB_FMT_ENB
PB_FMT_DATA[0-3]
PB_PREP_B[0-7]
PB_PREP_A[0-7]
TRST
TCK
TMS
TD_PB_COMP
TD_PB_PREP
PB_COMP_SSP2
PB_COMP_SSP1
PB_COMP_FRP2
PB_COMP_FRP1
REC_COMP_SSP2
REC_COMP_SSP1
REC_COMP_FRP2
REC_COMP_FRP1
RCOMP_SSP
RCOMP_FRP
PB_DATA34
PB_FS2
PB_FRM_A2
PB_DATA12
PB_FS1
PB_FRM_A1
PB_FS256
PB_FRM_A
COMP_PWMO
FS0
FS1
+D1.8V
+D3V
DGND
PB_FRP
PB_SSP
TP3511
TP3512
EYF6CU

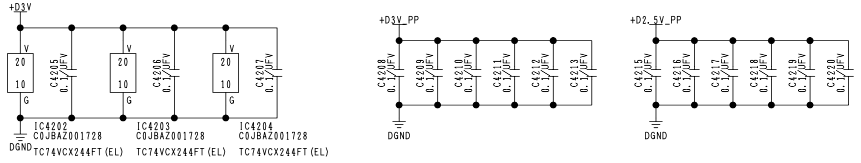
Ref No. 3500-35

COMPONENT NAME	**F4: REC PB(PB_COMP)**	14/26

CIRCUIT BOARD NO.	DRAWING NO.
VEP83629B/A/C	KR3A0023 (14/26)$_{(0)}$
	SCM014



A
B
C
D
E
F
G
H
I
J
P4200
VJP3125D012
VDDP
VDDL
TCK
VPP
TDI
VPN
TMS
DGND
TDO
TRST
RCK
IC4202
C0JBAZ001728
TC74VCX244FT(EL)
CLK18_IO_PROC
CLK18_REC_VBLK
CLK18_PB_VBLK
CLK18_VDAT
DIF_CLK18
APROC_CLK18
IC4203
C0JBAZ001728
CLK18_REC_COMP
CLK18_PB_COMP
CLK18_DV_PROC
CLK18_RF_PROC
CLK18_REC_ECC
CLK18_PB_ECC
CLK18_EE_FIFO1
CLK18_EE_FIFO2
IC4204
C0JBAZ001728
PB_PP_DATA[0-15]
PB_PP_ADRS[0-12]
PB_PP_CTRL[0-8]
+D3V
+D3V_PSDR
L4200
J0JKC0000009
C4203
0.1/UFV
DGND
IC4201
C3ABQG000045
IP4200
C1ZBZ0002330
ID4200
VS:4128*
ACT_END
ACT_RCK
ACT_TCK
ACT_TDO
ACT_TMS
CLK36_PB_PREP
CLK54_PB_PREP
CLK27_PB_PREP
ACT_TRST
ACT_VPP
ACT_VPN
+D3V_PP
+D2.5V_PP
+D2.5V
L4201
L4202
L4203
VLQ0319K470
47U/LC
TP4200
TP4221
R4204
PAT/J3
CLK54_PB_SDR
PB_FILT_Y[0-7]
PB_FILT_C[0-7]
PB_FILT_INF
PB_FILT_INH
PB_FILT_HD
PB_FILT_VBLK
PB_FILT_FRP
CLK135_PB_FILT
PB_PREP_Y[0-7]
PB_PREP_C[0-7]
PB_PREP_DATA[0-7]
PB_FRM27
C4214
1000P/UBV
R4209
47K/J3
PREP_W_L
PB_PREP_DV_STP_N
DV_SDA
CLK36_LOCK_L
PB_PREP_RST_N
DV_SCK
PB_FILT_PAL
PB_FILT_DEC
PB_FILT_DUBDET
PB_FILT_ADPT
PB_FILT411
SFR_PLD
SFS_PLD
SFF_PLD
TP4220 (ADLY_RST)
PB_PREP_B[0-7]
PB_PREP_A[0-7]
SIG36_H
PB_FRM36
COMP36_H
PB_PREP_FRP
PB_FMT_DATA[0-3]
PB_FMT_ENB
PB_FMT_FRM
ProASIC Puls 256-FBGA (TOP View)
(1/5)
(2/5)
(3/5)
(4/5)
(5/5)

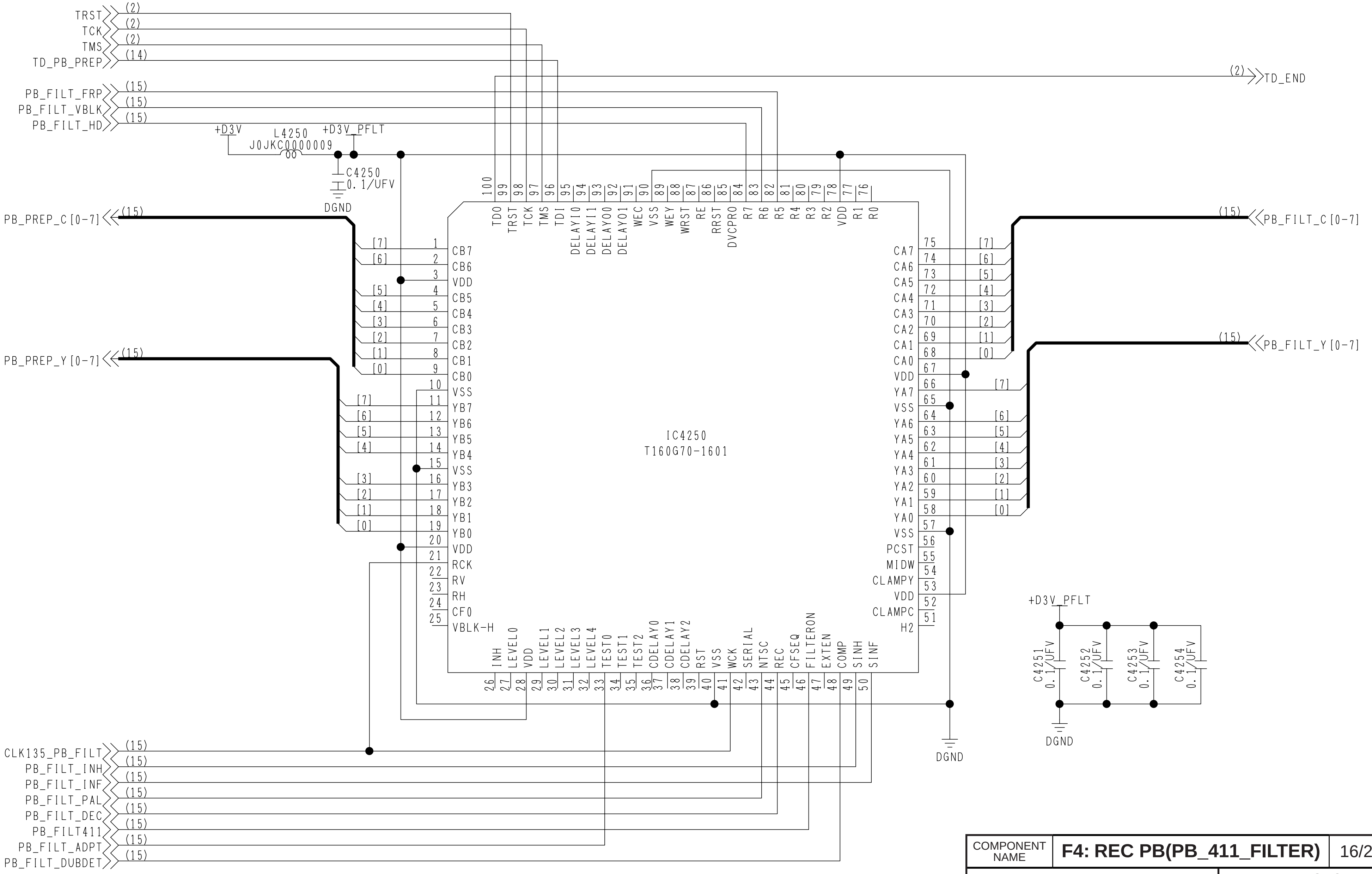


+D3V
IC4202
C0JBAZ001728
TC74VCX244FT(EL)
IC4203
C0JBAZ001728
TC74VCX244FT(EL)
IC4204
C0JBAZ001728
TC74VCX244FT(EL)
C4205
C4206
C4207
+D3V_PP
+D2.5V_PP
DGND

Ref No.4200-4249

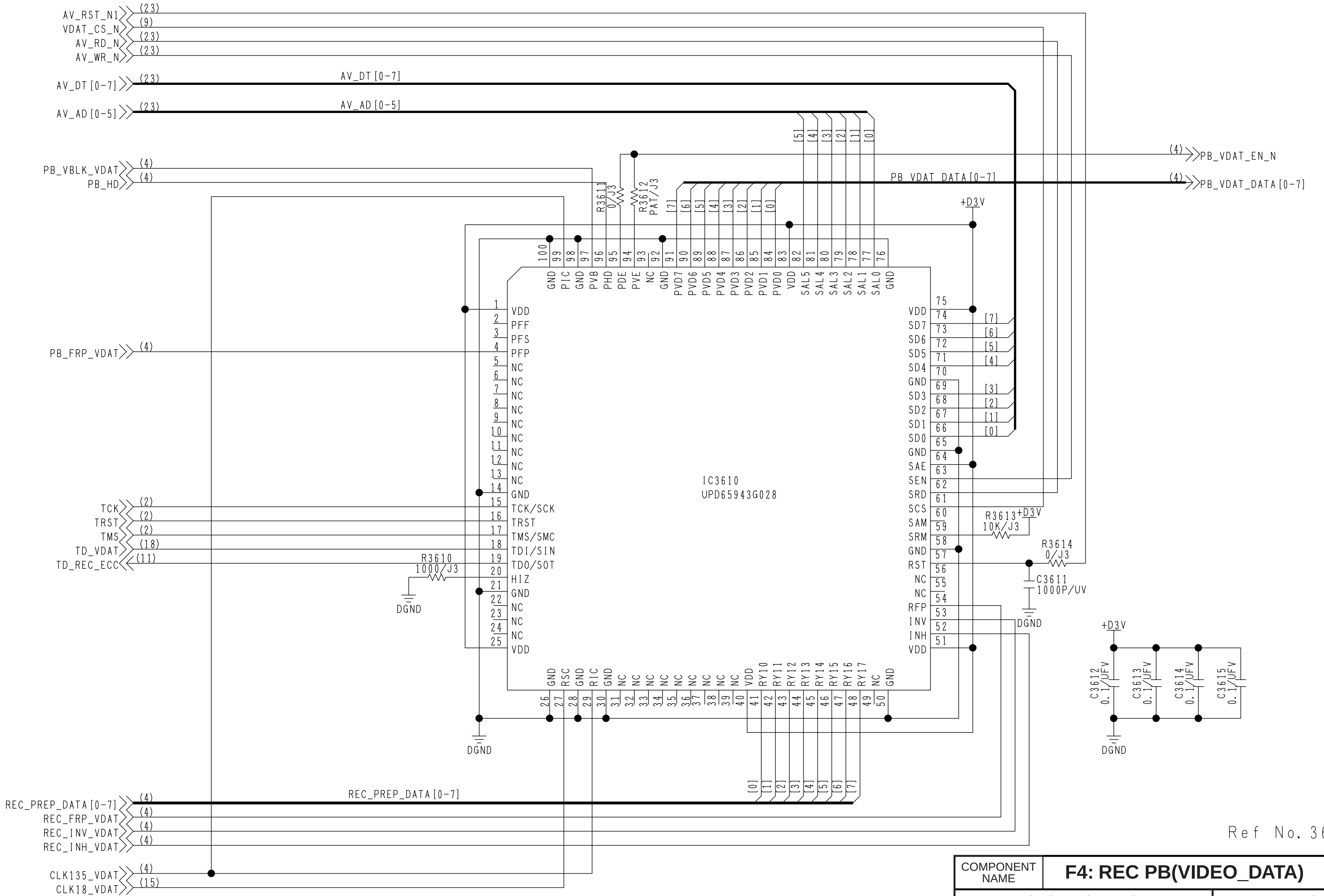
COMPONENT NAME	F4: REC PB(PB_PREP)	15/26
CIRCUIT BOARD NO.	DRAWING NO.	
VEP83629B/A/C	KR3A0023 (15/26)$_{(0)}$	
	SCM015	

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15


TRST (2)
TCK (2)
TMS (2)
TD_PB_PREP (14)
PB_FILT_FRP (15)
PB_FILT_VBLK (15)
PB_FILT_HD (15)
(2) TD_END
+D3V
L4250
J0JKC0000009
+D3V_PFLT
C4250
0.1/UFV
DGND
PB_PREP_C[0-7] (15)
PB_PREP_Y[0-7] (15)
(15) PB_FILT_C[0-7]
(15) PB_FILT_Y[0-7]
IC4250
T160G70-1601
1 CB7
2 CB6
3 VDD
4 CB5
5 CB4
6 CB3
7 CB2
8 CB1
9 CB0
10 VSS
11 YB7
12 YB6
13 YB5
14 YB4
15 VSS
16 YB3
17 YB2
18 YB1
19 YB0
20 VDD
21 RCK
22 RV
23 RH
24 CF0
25 VBLK-H
26 INH
27 LEVEL0
28 VDD
29 LEVEL1
30 LEVEL2
31 LEVEL3
32 LEVEL4
33 TEST0
34 TEST1
35 TEST2
36 CDELAY0
37 CDELAY1
38 CDELAY2
39 RST
40 VSS
41 WCK
42 SERIAL
43 NTSC
44 REC
45 CFSEQ
46 FILTERON
47 EXTEN
48 COMP
49 SINH
50 SINF
51 H2
52 CLAMPC
53 VDD
54 CLAMPY
55 MIDW
56 PCST
57 VSS
58 YA0
59 YA1
60 YA2
61 YA3
62 YA4
63 YA5
64 YA6
65 VSS
66 YA7
67 VDD
68 CA0
69 CA1
70 CA2
71 CA3
72 CA4
73 CA5
74 CA6
75 CA7
76 R0
77 R1
78 VDD
79 R2
80 R3
81 R4
82 R5
83 R6
84 R7
85 DVCPRO
86 RRST
87 RE
88 WRST
89 WEY
90 VSS
91 WEC
92 DELAYO1
93 DELAYO0
94 DELAYI1
95 DELAYI0
96 TDI
97 TMS
98 TCK
99 TRST
100 TDO
[7] [6] [5] [4] [3] [2] [1] [0]
+D3V_PFLT
C4251 0.1/UFV
C4252 0.1/UFV
C4253 0.1/UFV
C4254 0.1/UFV
DGND
CLK135_PB_FILT (15)
PB_FILT_INH (15)
PB_FILT_INF (15)
PB_FILT_PAL (15)
PB_FILT_DEC (15)
PB_FILT411 (15)
PB_FILT_ADPT (15)
PB_FILT_DUBDET (15)
A B C D E F G H I J
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

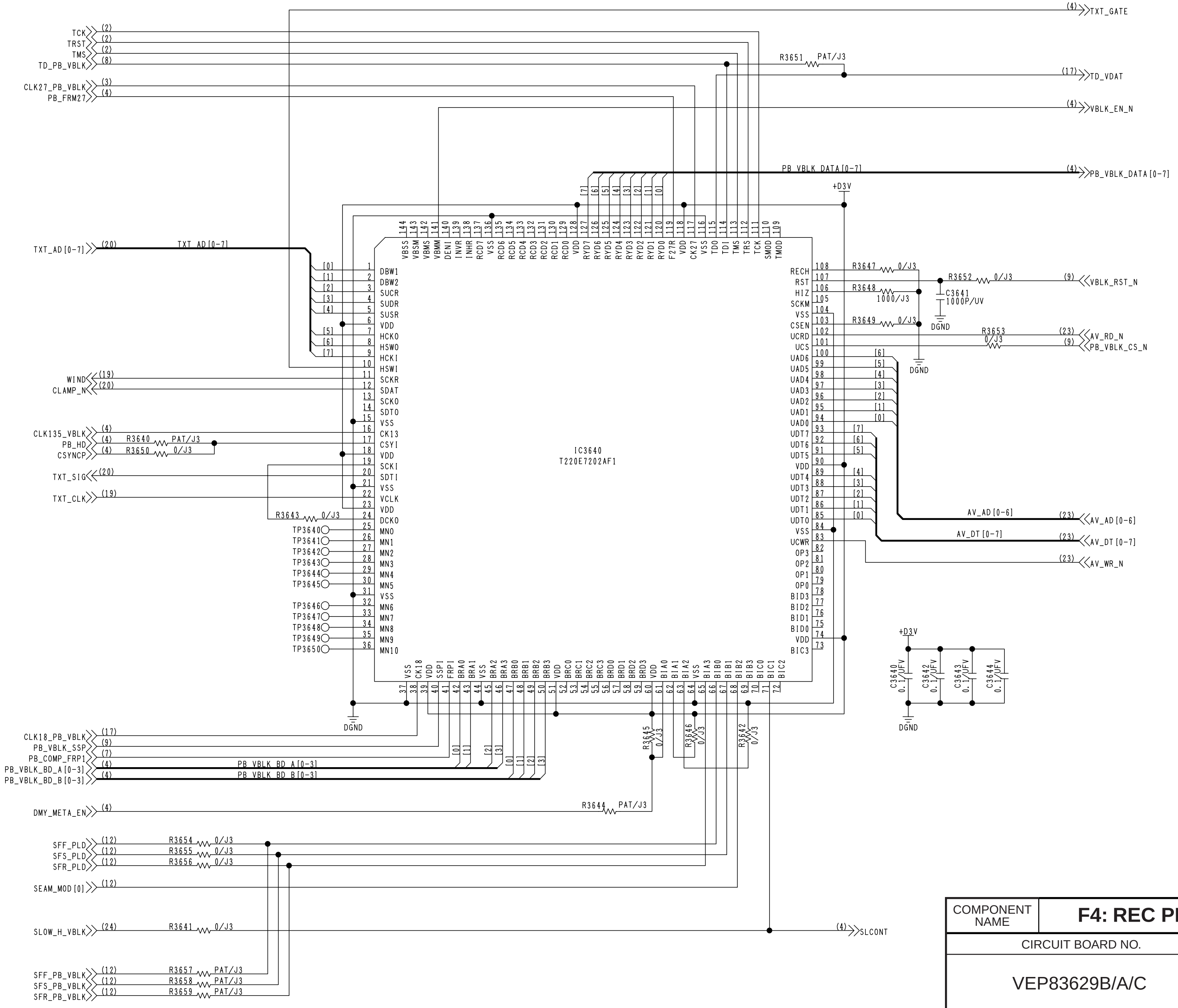
Ref No.4250-4299

COMPONENT NAME	F4: REC PB(PB_411_FILTER)	16/26
CIRCUIT BOARD NO.	DRAWING NO.	
VEP83629B/A/C	KR3A0023 (16/26)(0)	
	SCM016	


AV_RST_N1 (23)
VDAT_CS_N (9)
AV_RD_N (23)
AV_WR_N (23)
AV_DT[0-7] (23)
AV_AD[0-5] (23)
PB_VBLK_VDAT (4)
PB_HD (4)
PB_FRP_VDAT (4)
TCK (2)
TRST (2)
TMS (2)
TD_VDAT (18)
TD_REC_ECC (11)
REC_PREP_DATA[0-7] (4)
REC_FRP_VDAT (4)
REC_INV_VDAT (4)
REC_INH_VDAT (4)
CLK135_VDAT (4)
CLK18_VDAT (15)
(4) PB_VDAT_EN_N
(4) PB_VDAT_DATA[0-7]
PB_VDAT_DATA[0-7]
R3611 0/J3
R3612 PAT/J3
R3610 1000/J3
R3613 10K/J3
R3614 0/J3
C3611 1000P/UV
C3612 0.1/UFV
C3613 0.1/UFV
C3614 0.1/UFV
C3615 0.1/UFV
+D3V
DGND
IC3610
UPD65943G028
1 VDD
2 PFF
3 PFS
4 PFP
5 NC
6 NC
7 NC
8 NC
9 NC
10 NC
11 NC
12 NC
13 NC
14 GND
15 TCK/SCK
16 TRST
17 TMS/SMC
18 TDI/SIN
19 TDO/SOT
20 HIZ
21 GND
22 NC
23 NC
24 NC
25 VDD
26 GND
27 RSC
28 GND
29 RIC
30 GND
31 NC
32 NC
33 NC
34 NC
35 NC
36 NC
37 NC
38 NC
39 NC
40 VDD
41 RY10
42 RY11
43 RY12
44 RY13
45 RY14
46 RY15
47 RY16
48 RY17
49 NC
50 GND
51 VDD
52 INH
53 INV
54 RFP
55 NC
56 NC
57 RST
58 GND
59 SRM
60 SAM
61 SCS
62 SRD
63 SEN
64 SAE
65 GND
66 SD0
67 SD1
68 SD2
69 SD3
70 GND
71 SD4
72 SD5
73 SD6
74 SD7
75 VDD
76 GND
77 SAL0
78 SAL1
79 SAL2
80 SAL3
81 SAL4
82 SAL5
83 VDD
84 PVD0
85 PVD1
86 PVD2
87 PVD3
88 PVD4
89 PVD5
90 PVD6
91 PVD7
92 GND
93 NC
94 PVE
95 PDE
96 PHD
97 PVB
98 GND
99 PIC
100 GND

Ref No. 3610-

COMPONENT NAME	**F4: REC PB(VIDEO_DATA)**	17/26
CIRCUIT BOARD NO.	DRAWING NO.	
VEP83629B/A/C	KR3A0023 (17/26)$_{(0)}$	
	SCM017	


TXT_GATE
TCK
TRST
TMS
TD_PB_VBLK
R3651 PAT/J3
TD_VDAT
CLK27_PB_VBLK
PB_FRM27
VBLK_EN_N
PB_VBLK_DATA[0-7]
+D3V
TXT_AD[0-7]
IC3640
T220E7202AF1
R3647 0/J3
R3652 0/J3
VBLK_RST_N
R3648 1000/J3
C3641 1000P/UV
R3649 0/J3
DGND
R3653 0/J3
AV_RD_N
PB_VBLK_CS_N
WIND
CLAMP_N
CLK135_VBLK
PB_HD
CSYNCP
R3640 PAT/J3
R3650 0/J3
TXT_SIG
TXT_CLK
R3643 0/J3
TP3640
TP3641
TP3642
TP3643
TP3644
TP3645
TP3646
TP3647
TP3648
TP3649
TP3650
AV_AD[0-6]
AV_DT[0-7]
AV_WR_N
C3640 0.1/UFV
C3642 0.1/UFV
C3643 0.1/UFV
C3644 0.1/UFV
CLK18_PB_VBLK
PB_VBLK_SSP
PB_COMP_FRP1
PB_VBLK_BD_A[0-3]
PB_VBLK_BD_B[0-3]
R3645 0/J3
R3646 0/J3
R3642 0/J3
DMY_META_EN
R3644 PAT/J3
SFF_PLD
SFS_PLD
SFR_PLD
R3654 0/J3
R3655 0/J3
R3656 0/J3
SEAM_MOD[0]
SLOW_H_VBLK
R3641 0/J3
SLCONT
SFF_PB_VBLK
SFS_PB_VBLK
SFR_PB_VBLK
R3657 PAT/J3
R3658 PAT/J3
R3659 PAT/J3
A
B
C
D
E
F
G
H
I
J
1
2
3
4
5
6
7
8
9
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12
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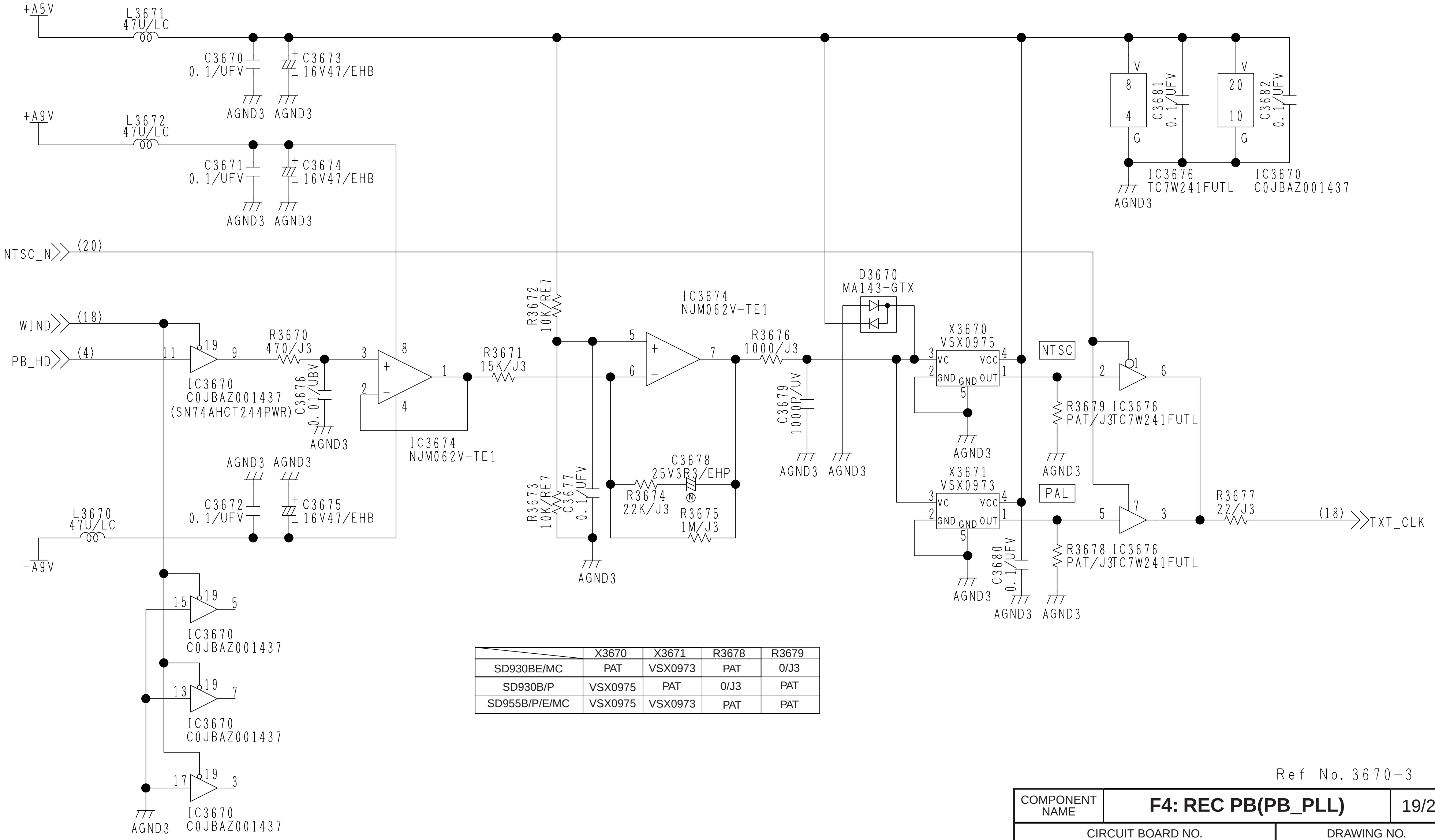
14
15

Ref No.3640-36

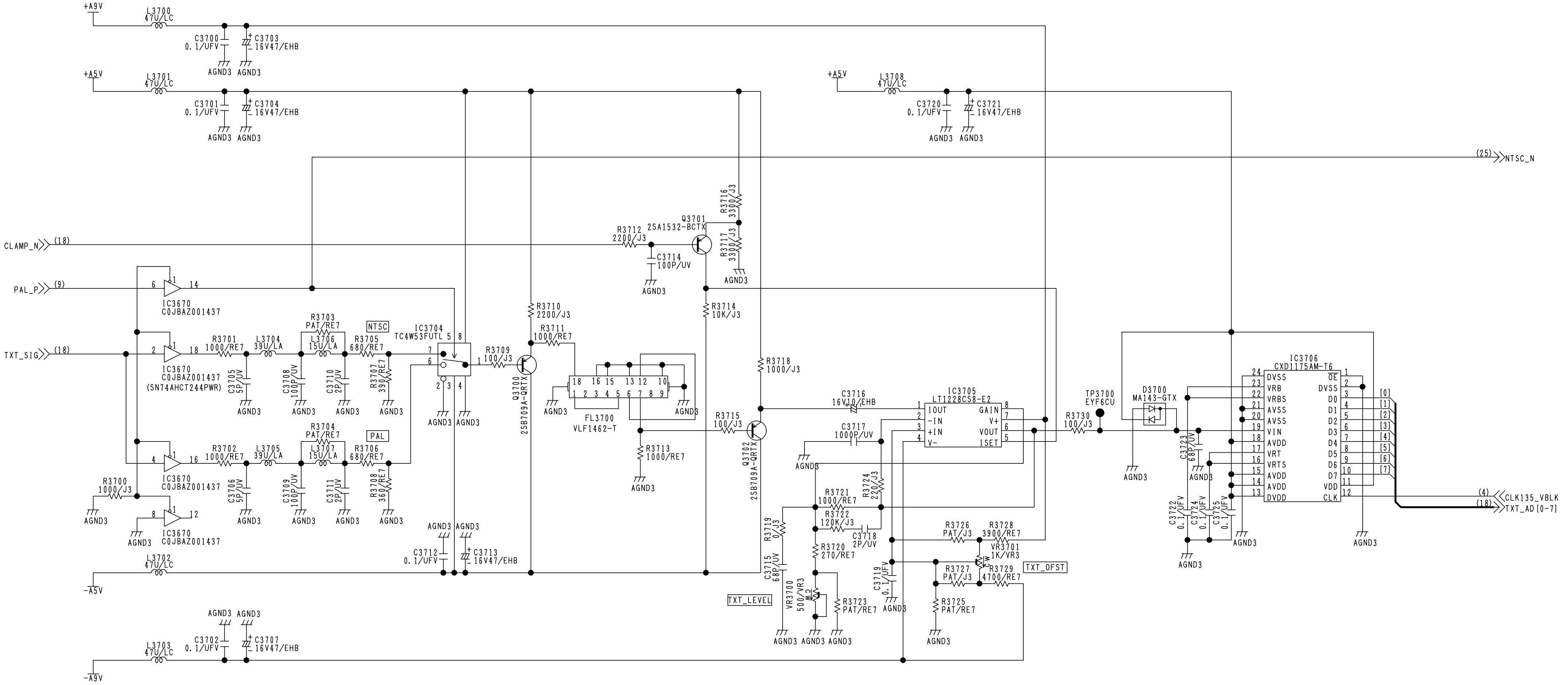
COMPONENT NAME	F4: REC PB(PB_VBLK)	18/26
CIRCUIT BOARD NO.	DRAWING NO.	
VEP83629B/A/C	KR3A0023 (18/26)$_{(0)}$	
	SCM018	


+A5V
L3671
47U/LC
C3670
0.1/UFV
C3673
16V47/EHB
AGND3
+A9V
L3672
47U/LC
C3671
0.1/UFV
C3674
16V47/EHB
NTSC_N
(20)
WIND
(18)
PB_HD
(4)
IC3670
C0JBAZ001437
(SN74AHCT244PWR)
R3670
470/J3
C3676
0.01/UBV
IC3674
NJM062V-TE1
R3671
15K/J3
R3672
10K/RE7
R3673
10K/RE7
C3677
0.1/UFV
R3674
22K/J3
C3678
25V3R3/EHP
R3675
1M/J3
R3676
1000/J3
C3679
1000P/UV
D3670
MA143-GTX
X3670
VSX0975
X3671
VSX0973
VC
VCC
GND
OUT
NTSC
PAL
R3679
PAT/J3
R3678
PAT/J3
IC3676
TC7W241FUTL
C3680
0.1/UFV
R3677
22/J3
TXT_CLK
C3681
0.1/UFV
C3682
0.1/UFV
V
G
L3670
47U/LC
-A9V
C3672
0.1/UFV
C3675
16V47/EHB

	X3670	X3671	R3678	R3679
SD930BE/MC	PAT	VSX0973	PAT	0/J3
SD930B/P	VSX0975	PAT	0/J3	PAT
SD955B/P/E/MC	VSX0975	VSX0973	PAT	PAT

Ref No. 3670-3

COMPONENT NAME	F4: REC PB(PB_PLL)	19/26
CIRCUIT BOARD NO.	DRAWING NO.	
VEP83629B/A/C	KR3A0023 (19/26)$_{(0)}$	
	SCM019	

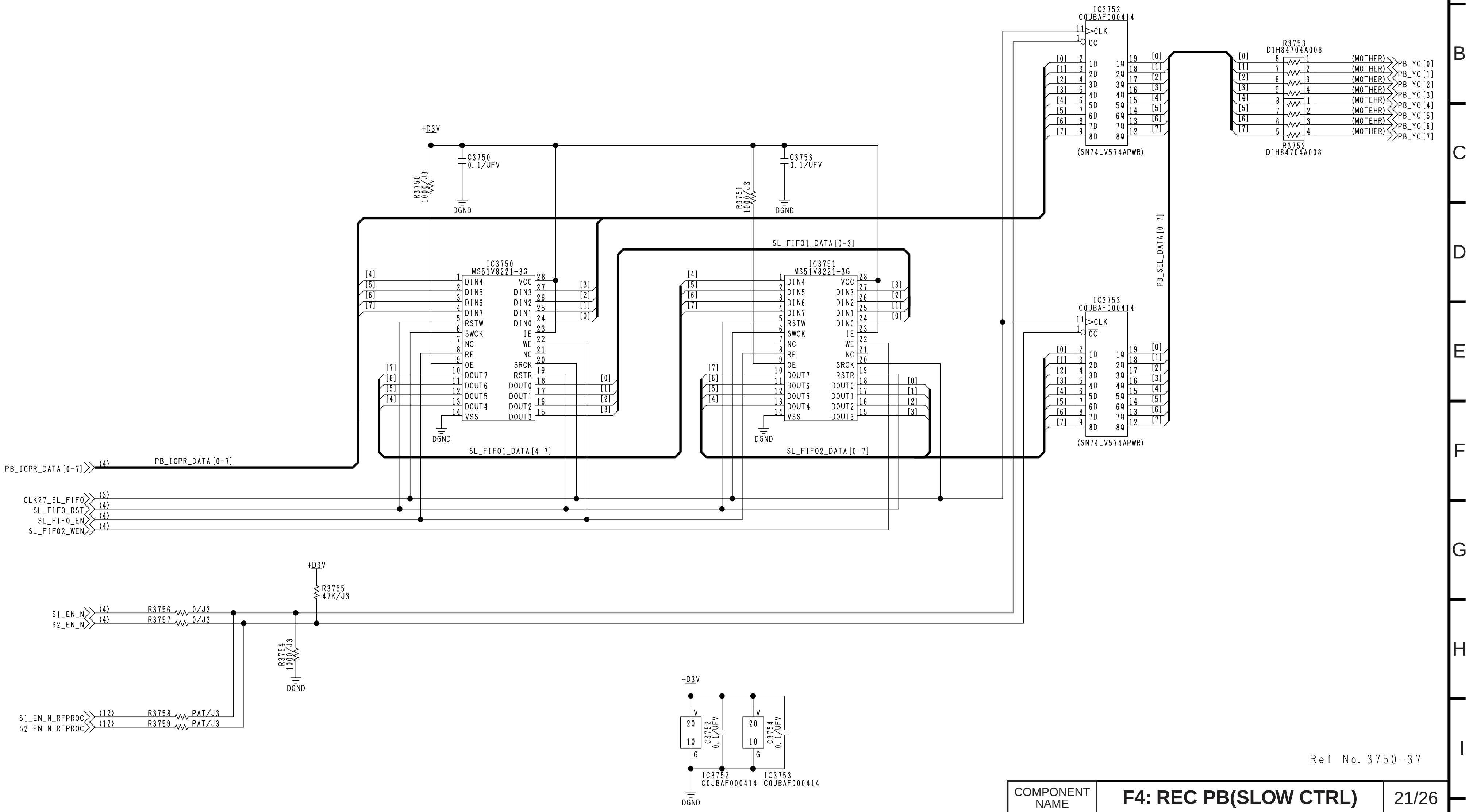

+A9V
L3700
47U/LC
C3700
0.1/UFV
C3703
16V47/EHB
AGND3
+A5V
L3701
47U/LC
C3701
0.1/UFV
C3704
16V47/EHB
+A5V
L3708
47U/LC
C3720
0.1/UFV
C3721
16V47/EHB
(25)
NTSC_N
CLAMP_N
(18)
PAL_P
(9)
TXT_SIG
(18)
IC3670
C0JBAZ001437
(SN74AHCT244PWR)
R3700
1000/J3
R3701
1000/RE7
R3702
1000/RE7
L3704
39U/LA
L3705
39U/LA
R3703
PAT/RE7
L3706
15U/LA
R3704
PAT/RE7
L3707
15U/LA
NTSC
PAL
R3705
680/RE7
R3706
680/RE7
R3707
390/RE7
R3708
360/RE7
C3705
5P/UV
C3706
5P/UV
C3708
100P/UV
C3709
100P/UV
C3710
2P/UV
C3711
2P/UV
IC3704
TC4W53FUTL
R3709
100/J3
Q3700
2SB709A-QRTX
R3710
2200/J3
R3711
1000/RE7
FL3700
VLF1462-T
R3712
2200/J3
Q3701
2SA1532-BCTX
C3714
100P/UV
R3716
3300/J3
R3717
3300/J3
R3714
10K/J3
R3713
1000/RE7
R3715
100/J3
Q3702
2SB709A-QRTX
R3718
1000/J3
C3712
0.1/UFV
C3713
16V47/EHB
L3702
47U/LC
-A5V
C3702
0.1/UFV
C3707
16V47/EHB
L3703
47U/LC
-A9V
C3716
16V10/EHB
C3717
1000P/UV
IC3705
LT1228CS8-E2
IOUT
-IN
+IN
V-
GAIN
V+
VOUT
ISET
R3721
1000/RE7
R3722
120K/J3
R3724
220/J3
C3718
2P/UV
R3719
0/J3
C3715
68P/UV
R3720
270/RE7
VR3700
500/VR3
R3723
PAT/RE7
TXT_LEVEL
C3719
0.1/UFV
R3726
PAT/J3
R3728
3900/RE7
VR3701
1K/VR3
R3727
PAT/J3
R3729
4700/RE7
TXT_OFST
R3725
PAT/RE7
R3730
100/J3
TP3700
EYF6CU
D3700
MA143-GTX
C3723
68P/UV
C3722
0.1/UFV
C3724
0.1/UFV
C3725
0.1/UFV
IC3706
CXD1175AM-T6
DVSS
VRB
VRBS
AVSS
AVSS
VIN
AVDD
VRT
VRTS
AVDD
AVDD
DVDD
OE
DVSS
D0
D1
D2
D3
D4
D5
D6
D7
VDD
CLK
[0]
[1]
[2]
[3]
[4]
[5]
[6]
[7]
(4)
CLK135_VBLK
(18)
TXT_AD[0-7]

A B C D E F G H I J

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

Ref No. 3700-

COMPONENT NAME	F4: REC PB(TEL_TXT)	20/26
CIRCUIT BOARD NO.	DRAWING NO.	
VEP83629B/A/C	KR3A0023 (20/26)$_{(0)}$	
	SCM020	


IC3752
C0JBAF000414
(SN74LV574APWR)
IC3753
C0JBAF000414
(SN74LV574APWR)
R3753
D1H84704A008
R3752
D1H84704A008
(MOTHER)
(MOTEHR)
PB_YC[0]
PB_YC[1]
PB_YC[2]
PB_YC[3]
PB_YC[4]
PB_YC[5]
PB_YC[6]
PB_YC[7]
PB_SEL_DATA[0-7]
+D3V
C3750
0.1/UFV
C3753
0.1/UFV
R3750
100Ω/J3
R3751
100Ω/J3
DGND
SL_FIFO1_DATA[0-3]
IC3750
MS51V8221-3G
IC3751
MS51V8221-3G
DIN4
DIN5
DIN6
DIN7
RSTW
SWCK
NC
RE
OE
DOUT7
DOUT6
DOUT5
DOUT4
VSS
VCC
DIN3
DIN2
DIN1
DIN0
IE
WE
SRCK
RSTR
DOUT0
DOUT1
DOUT2
DOUT3
CLK
OC
SL_FIFO1_DATA[4-7]
SL_FIFO2_DATA[0-7]
PB_IOPR_DATA[0-7]
CLK27_SL_FIFO
SL_FIFO_RST
SL_FIFO_EN
SL_FIFO2_WEN
R3755
47K/J3
S1_EN_N
S2_EN_N
R3756
R3757
0/J3
R3754
100Ω/J3
S1_EN_N_RFPROC
S2_EN_N_RFPROC
R3758
R3759
PAT/J3
C3752
0.1/UFV
C3754
0.1/UFV
IC3752
C0JBAF000414
IC3753
C0JBAF000414
A
B
C
D
E
F
G
H
I
J
1
2
3
4
5
6
7
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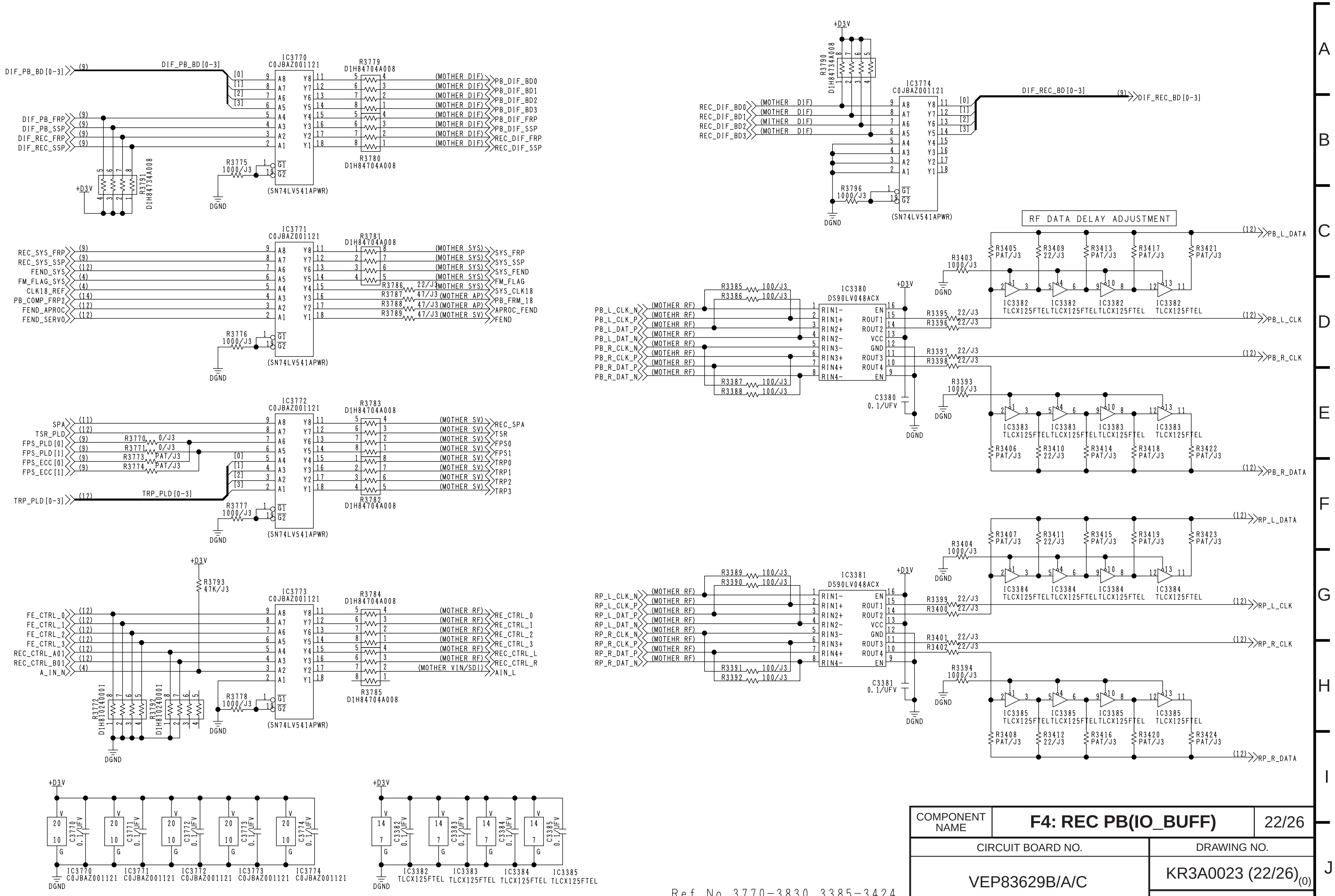
Ref No. 3750-37

COMPONENT NAME	**F4: REC PB(SLOW CTRL)**	21/26
CIRCUIT BOARD NO.	DRAWING NO.	
VEP83629B/A/C	KR3A0023 (21/26)$_{(0)}$	
	SCM021	


DIF_PB_BD[0-3]
IC3770
C0JBAZ001121
(SN74LV541APWR)
R3779 D1H84704A008
R3780 D1H84704A008
PB_DIF_BD0
PB_DIF_BD1
PB_DIF_BD2
PB_DIF_BD3
DIF_PB_FRP
DIF_PB_SSP
DIF_REC_FRP
DIF_REC_SSP
PB_DIF_FRP
PB_DIF_SSP
REC_DIF_FRP
REC_DIF_SSP
R3791 D1H84734A008
R3775 1000/J3
+D3V
DGND
IC3771
C0JBAZ001121
R3781 D1H84704A008
REC_SYS_FRP
REC_SYS_SSP
FEND_SYS
FM_FLAG_SYS
CLK18_REF
PB_COMP_FRP2
FEND_APROC
FEND_SERVO
SYS_FRP
SYS_SSP
SYS_FEND
FM_FLAG
SYS_CLK18
PB_FRM_18
APROC_FEND
FEND
R3786 22/J3
R3787 47/J3
R3788 47/J3
R3789 47/J3
R3776 1000/J3
IC3772
C0JBAZ001121
R3783 D1H84704A008
R3782 D1H84704A008
SPA
TSR_PLD
FPS_PLD[0]
FPS_PLD[1]
FPS_ECC[0]
FPS_ECC[1]
TRP_PLD[0-3]
REC_SPA
TSR
FPS0
FPS1
TRP0
TRP1
TRP2
TRP3
R3770 0/J3
R3771 0/J3
R3773 PAT/J3
R3774 PAT/J3
R3777 1000/J3
IC3773
C0JBAZ001121
R3784 D1H84704A008
R3785 D1H84704A008
R3793 47K/J3
FE_CTRL_0
FE_CTRL_1
FE_CTRL_2
FE_CTRL_3
REC_CTRL_A01
REC_CTRL_B01
A_IN_N
RE_CTRL_0
RE_CTRL_1
RE_CTRL_2
RE_CTRL_3
REC_CTRL_L
REC_CTRL_R
AIN_L
(MOTHER VIN/SDI)
R3772 D1H810240001
R3792 D1H810240001
R3778 1000/J3
IC3774
C0JBAZ001121
R3790 D1H84734A008
R3796 1000/J3
REC_DIF_BD0
REC_DIF_BD1
REC_DIF_BD2
REC_DIF_BD3
DIF_REC_BD[0-3]
RF DATA DELAY ADJUSTMENT
IC3380
DS90LV048ACX
PB_L_CLK_N
PB_L_CLK_P
PB_L_DAT_P
PB_L_DAT_N
PB_R_CLK_N
PB_R_CLK_P
PB_R_DAT_P
PB_R_DAT_N
PB_L_DATA
PB_L_CLK
PB_R_CLK
PB_R_DATA
C3380 0.1/UFV
IC3382 TLCX125FTEL
IC3383 TLCX125FTEL
IC3381
DS90LV048ACX
RP_L_CLK_N
RP_L_CLK_P
RP_L_DAT_P
RP_L_DAT_N
RP_R_CLK_N
RP_R_CLK_P
RP_R_DAT_P
RP_R_DAT_N
RP_L_DATA
RP_L_CLK
RP_R_CLK
RP_R_DATA
C3381 0.1/UFV
IC3384 TLCX125FTEL
IC3385 TLCX125FTEL
C3770 0.1/UFV
C3771 0.1/UFV
C3772 0.1/UFV
C3773 0.1/UFV
C3774 0.1/UFV
C3382 0.1/UFV
C3383 0.1/UFV
C3384 0.1/UFV
C3385 0.1/UFV
A
B
C
D
E
F
G
H
I
J
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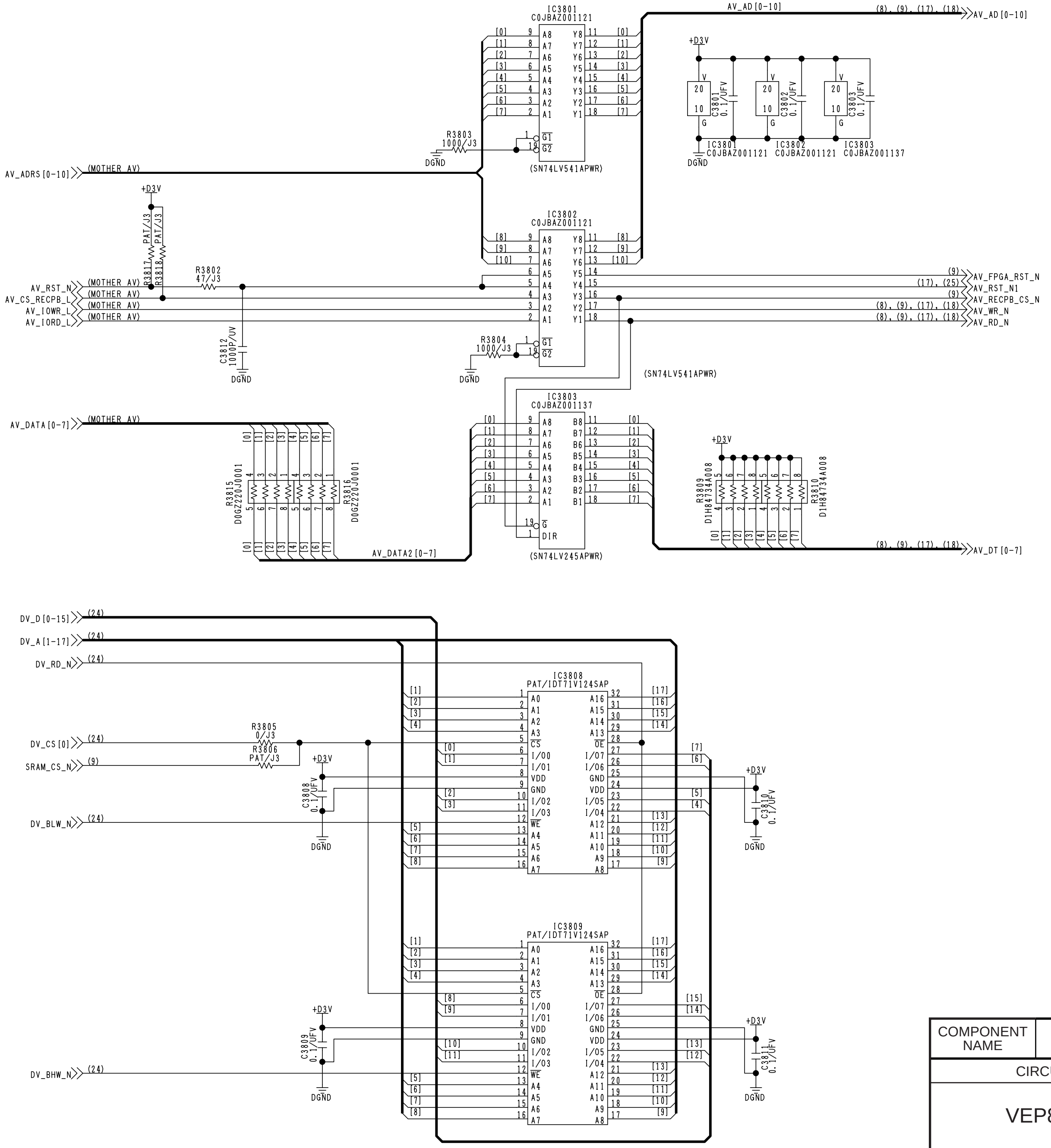
Ref No. 3770-3830, 3385-3424

COMPONENT NAME	F4: REC PB(IO_BUFF)	22/26
CIRCUIT BOARD NO.	DRAWING NO.	
VEP83629B/A/C	KR3A0023 (22/26)$_{(0)}$	
	SCM022	


IC3801
C0JBAZ001121
(SN74LV541APWR)
IC3802
C0JBAZ001121
(SN74LV541APWR)
IC3803
C0JBAZ001137
(SN74LV245APWR)
IC3808
PAT/IDT71V124SAP
IC3809
PAT/IDT71V124SAP
AV_AD[0-10]
(8), (9), (17), (18)
AV_ADRS[0-10]
(MOTHER AV)
AV_RST_N
AV_CS_RECPB_L
AV_IOWR_L
AV_IORD_L
AV_FPGA_RST_N
AV_RST_N1
AV_RECPB_CS_N
AV_WR_N
AV_RD_N
AV_DATA[0-7]
AV_DATA2[0-7]
AV_DT[0-7]
R3803 1000/J3
R3804 1000/J3
R3802 47/J3
R3817 PAT/J3
R3818 PAT/J3
C3812 1000P/UV
R3815 D0GZ220J0001
R3816 D0GZ220J0001
R3809 D1H84734A008
R3810 D1H84734A008
C3801 0.1/UFV
C3802 0.1/UFV
C3803 0.1/UFV
+D3V
DGND
DV_D[0-15]
DV_A[1-17]
DV_RD_N
DV_CS[0]
SRAM_CS_N
DV_BLW_N
DV_BHW_N
(24)
(9)
R3805 0/J3
R3806 PAT/J3
C3808 0.1/UFV
C3809 0.1/UFV
C3810 0.1/UFV
C3811 0.1/UFV
A
B
C
D
E
F
G
H
I
J
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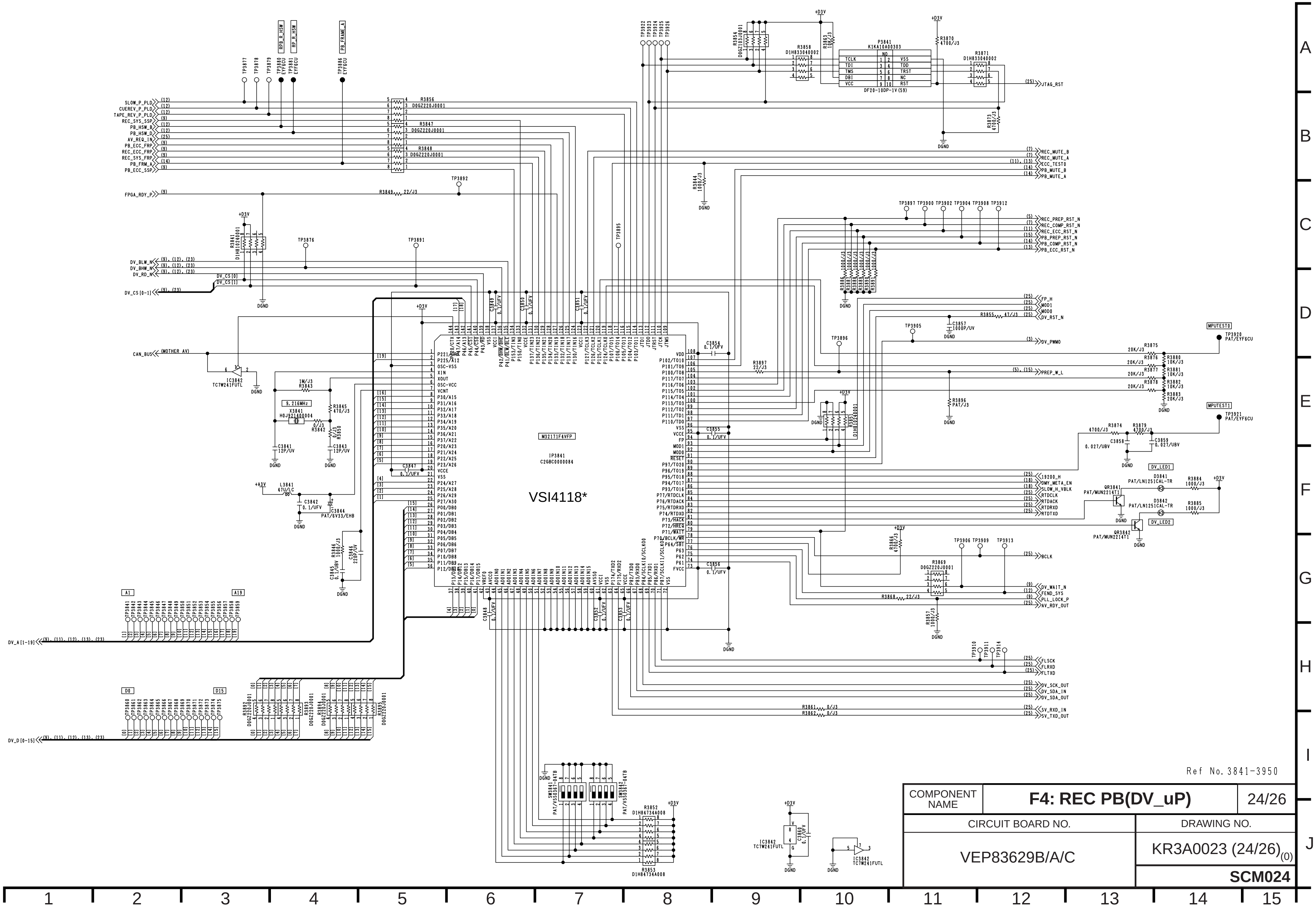
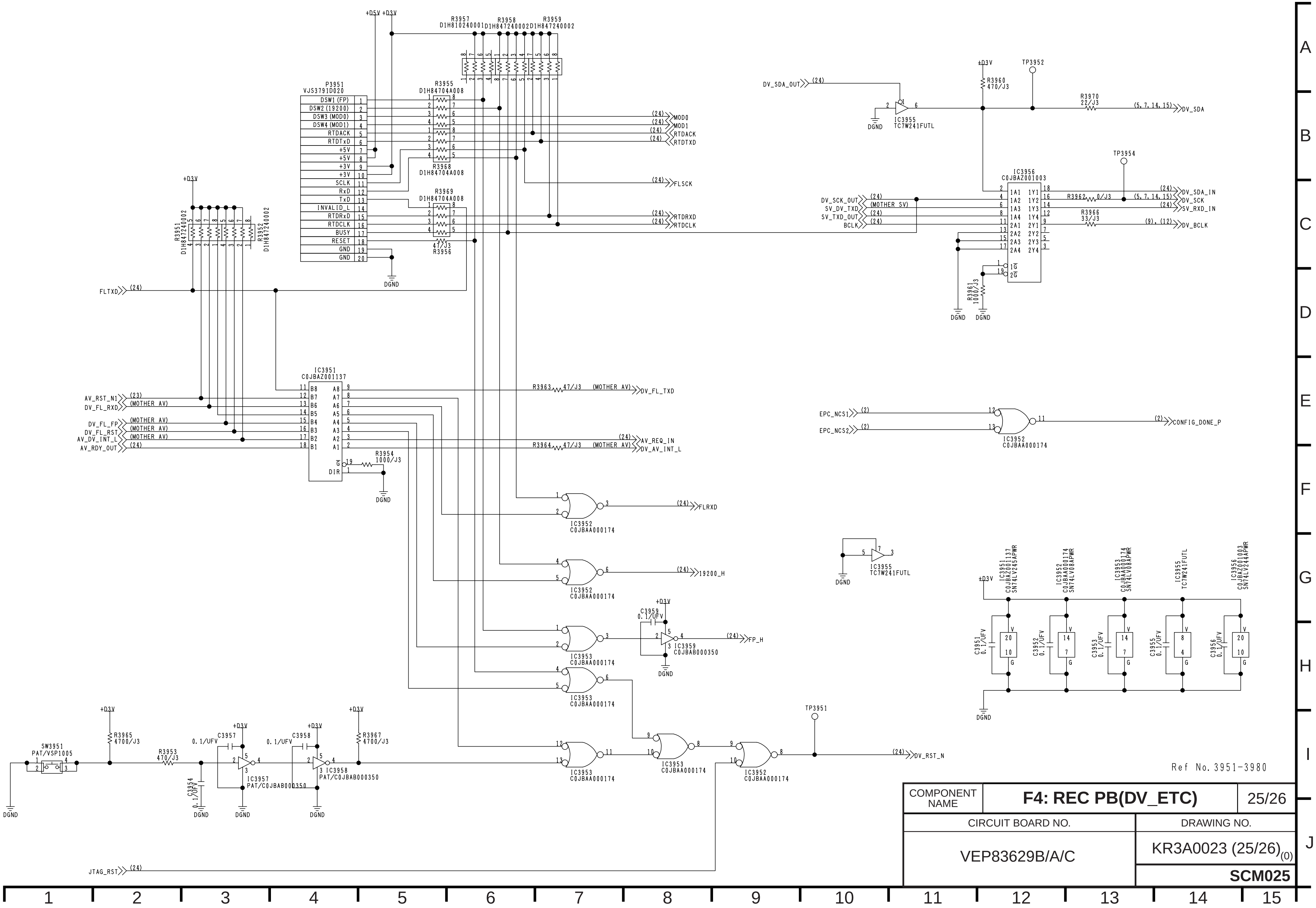
Ref No. 3801-3840

COMPONENT NAME	**F4: REC PB(MPU_BUS_I/F)**	23/26
CIRCUIT BOARD NO.	DRAWING NO.	
VEP83629B/A/C	KR3A0023 (23/26)$_{(0)}$ **SCM023**	


VSI4118*
M32171F4VFP
IP3841
C2GBC0000084
SLOW_P_PLD
CUEREV_P_PLD
TAPE_REV_P_PLD
REC_SYS_SSP
PB_HSW_B
PB_HSW_D
AV_REQ_IN
PB_ECC_FRP
REC_ECC_FRP
REC_SYS_FRP
PB_FRM_A
PB_ECC_SSP
FPGA_RDY_P
DV_BLW_N
DV_BHW_N
DV_RD_N
DV_CS[0-1]
CAN_BUS
DV_A[1-19]
DV_D[0-15]
JTAG_RST
REC_MUTE_B
REC_MUTE_A
ECC_TEST0
PB_MUTE_B
PB_MUTE_A
REC_PREP_RST_N
REC_COMP_RST_N
REC_ECC_RST_N
PB_PREP_RST_N
PB_COMP_RST_N
PB_ECC_RST_N
FP_H
MOD1
MOD0
DV_RST_N
DV_PWMO
PREP_W_L
MPUTEST0
MPUTEST1
DV_LED1
DV_LED2
I9200_H
DMY_META_EN
SLOW_H_VBLK
RTDCLK
RTDACK
RTDRXD
RTDTXD
BCLK
DV_WAIT_N
FEND_SYS
PLL_LOCK_P
AV_RDY_OUT
FLSCK
FLRXD
FLTXD
DV_SCK_OUT
DV_SDA_IN
DV_SDA_OUT
SV_RXD_IN
SV_TXD_OUT
+D3V
+A3V
DGND
9.216MHz
X3841
IC3842
TC7W241FUTL
P3841
K1KA10A00303
DF20-10DP-1V(59)
TCLK
TDI
TMS
DBI
VCC
VSS
TDO
TRST
NC
RST
SW3841
SW3842
PAT/VS50361-04TB
QR3841
QR3842
PAT/MUN2214T1
D3841
D3842
PAT/LN1251CAL-TR
A B C D E F G H I J
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

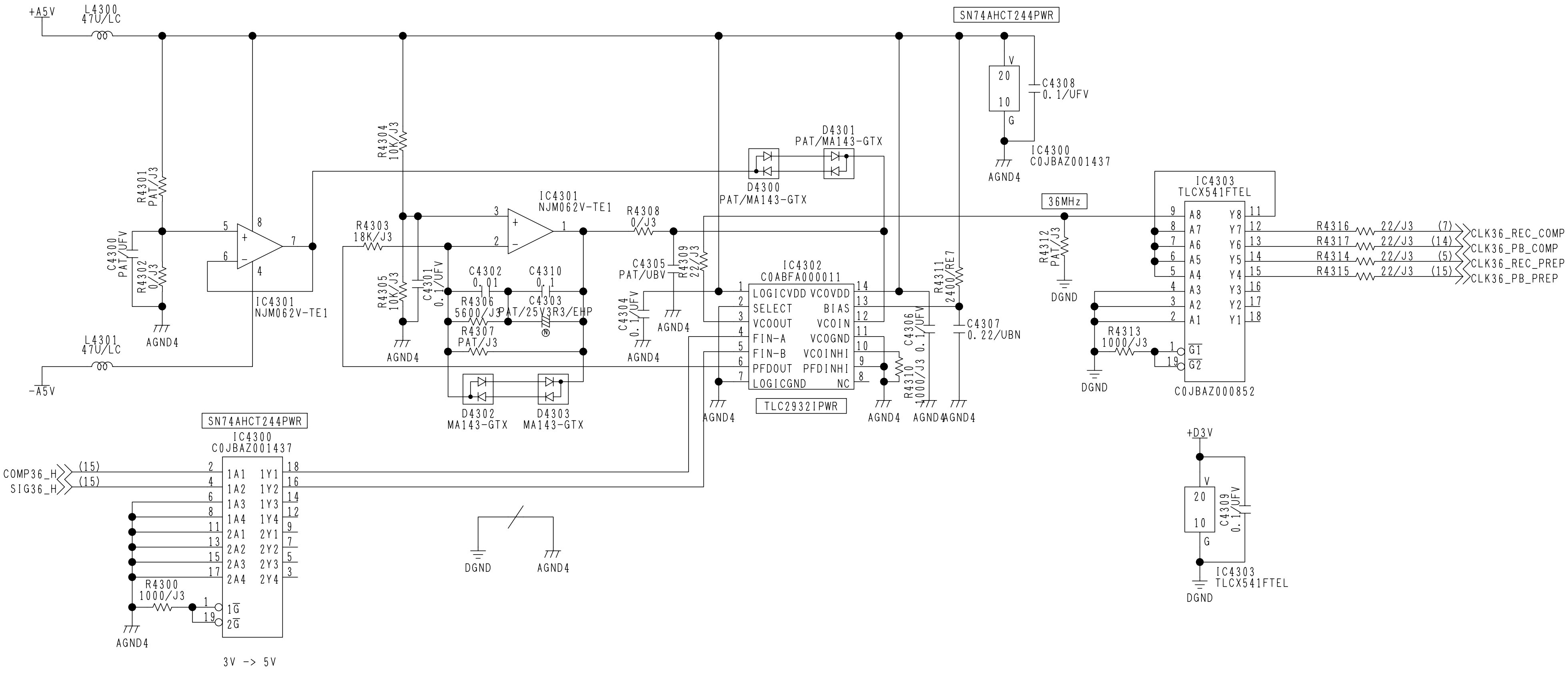
Ref No. 3841-3950

COMPONENT NAME	F4: REC PB(DV_uP)	24/26
CIRCUIT BOARD NO.	DRAWING NO.	
VEP83629B/A/C	KR3A0023 (24/26)$_{(0)}$	
	SCM024	



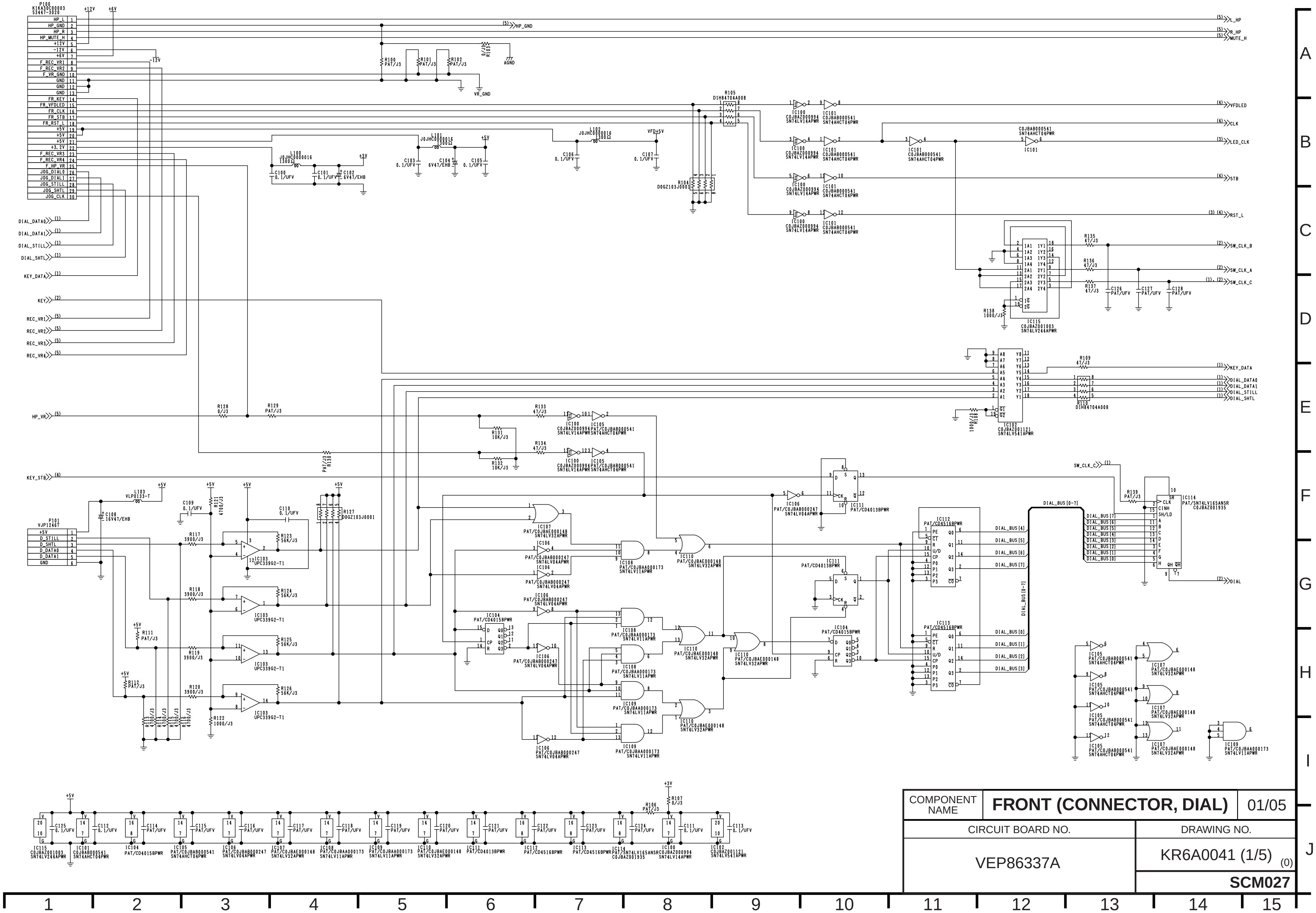
A
B
C
D
E
F
G
H
I
J
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
+D5V
+D3V
R3957
D1H810240001
R3958
D1H847240002
R3959
D1H847240002
P3951
VJS3791D020
DSW1 (FP)
DSW2 (19200)
DSW3 (MOD0)
DSW4 (MOD1)
RTDACK
RTDTxD
+5V
+5V
+3V
+3V
SCLK
RxD
TxD
INVALID_L
RTDRxD
RTDCLK
BUSY
RESET
GND
GND
DGND
R3955
D1H84704A008
R3968
D1H84704A008
R3969
D1H84704A008
47/J3
R3956
MOD0
MOD1
RTDACK
RTDTXD
FLSCK
RTDRXD
RTDCLK
(24)
R3951
D1H847240002
R3952
D1H847240002
FLTXD
IC3951
C0JBAZ001137
AV_RST_N1
DV_FL_RXD
DV_FL_FP
DV_FL_RST
AV_DV_INT_L
AV_RDY_OUT
(23)
(MOTHER AV)
R3963 47/J3
DV_FL_TXD
AV_REQ_IN
R3964 47/J3
DV_AV_INT_L
R3954
1000/J3
DIR
IC3952
C0JBAA000174
FLRXD
19200_H
IC3953
C0JBAA000174
C3959
0.1/UFV
IC3959
C0JBAB000350
FP_H
DV_SDA_OUT
IC3955
TC7W241FUTL
R3960
470/J3
TP3952
R3970
22/J3
(5,7,14,15)
DV_SDA
TP3954
IC3956
C0JBAZ001003
DV_SCK_OUT
SV_DV_TXD
SV_TXD_OUT
BCLK
(MOTHER SV)
R3962 0/J3
R3966
33/J3
DV_SDA_IN
DV_SCK
SV_RXD_IN
(9),(12)
DV_BCLK
R3961
1000/J3
EPC_NCS1
EPC_NCS2
(2)
CONFIG_DONE_P
IC3951 C0JBAZ001137 SN74LV245APWR
IC3952 C0JBAA000174 SN74LV08APWR
IC3953 C0JBAA000174 SN74LV08APWR
IC3955 TC7W241FUTL
IC3956 C0JBAZ001003 SN74LV244APWR
C3951 0.1/UFV
C3952 0.1/UFV
C3953 0.1/UFV
C3955 0.1/UFV
C3956 0.1/UFV
SW3951
PAT/VSP1005
R3965
4700/J3
R3953
470/J3
C3954
0.1/UFV
C3957
0.1/UFV
IC3957
PAT/C0JBAB000350
C3958
0.1/UFV
IC3958
PAT/C0JBAB000350
R3967
4700/J3
TP3951
DV_RST_N
JTAG_RST
Ref No.3951-3980

COMPONENT NAME	F4: REC PB(DV_ETC)	25/26
CIRCUIT BOARD NO.	DRAWING NO.	
VEP83629B/A/C	KR3A0023 (25/26)(0)	
	SCM025	


+A5V
L4300
47U/LC
L4301
47U/LC
-A5V
R4301
PAT/J3
C4300
PAT/UFV
R4302
0/J3
AGND4
IC4301
NJM062V-TE1
R4304
10K/J3
R4303
18K/J3
R4305
10K/J3
C4301
0.1/UFV
C4302
0.01
C4310
0.1
R4306
5600/J3
C4303
PAT/25V3R3/EHP
R4307
PAT/J3
D4302
MA143-GTX
D4303
MA143-GTX
R4308
0/J3
C4305
PAT/UBV
R4309
22/J3
C4304
0.1/UFV
D4300
PAT/MA143-GTX
D4301
PAT/MA143-GTX
IC4302
C0ABFA000011
LOGICVDD
SELECT
VCOOUT
FIN-A
FIN-B
PFDOUT
LOGICGND
VCOVDD
BIAS
VCOIN
VCOGND
VCOINHI
PFDINHI
NC
TLC2932IPWR
C4306
0.1/UFV
R4310
1000/J3
R4311
2400/RE7
C4307
0.22/UBN
SN74AHCT244PWR
IC4300
C0JBAZ001437
C4308
0.1/UFV
36MHz
R4312
PAT/J3
DGND
IC4303
TLCX541FTEL
A8 A7 A6 A5 A4 A3 A2 A1
Y8 Y7 Y6 Y5 Y4 Y3 Y2 Y1
G1 G2
R4313
1000/J3
C0JBAZ000852
R4316 22/J3 (7) CLK36_REC_COMP
R4317 22/J3 (14) CLK36_PB_COMP
R4314 22/J3 (5) CLK36_REC_PREP
R4315 22/J3 (15) CLK36_PB_PREP
+D3V
C4309
0.1/UFV
COMP36_H (15)
SIG36_H (15)
1A1 1A2 1A3 1A4 2A1 2A2 2A3 2A4
1Y1 1Y2 1Y3 1Y4 2Y1 2Y2 2Y3 2Y4
1G 2G
R4300
1000/J3
3V -> 5V
A B C D E F G H I J
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

Ref No.4300-4350

COMPONENT NAME	F4: REC PB(36M PLL)	26/26
CIRCUIT BOARD NO.	DRAWING NO.	
VEP83629B/A/C	KR3A0023 (26/26)$_{(0)}$	
	SCM026	


P100
K1KA30C00003
53447-3020
HP_L
HP_GND
HP_R
HP_MUTE_H
+12V
-12V
+6V
F_REC_VR1
F_REC_VR2
F_VR_GND
GND
FR_KEY
FR_VFDLED
FR_CLK
FR_STB
FR_RST_L
+5V
+3.2V
F_REC_VR3
F_REC_VR4
F_HP_VR
JOG_DIAL0
JOG_DIAL1
JOG_STILL
JOG_SHTL
JOG_CLK
DIAL_DATA0
DIAL_DATA1
DIAL_STILL
DIAL_SHTL
KEY_DATA
KEY
REC_VR1
REC_VR2
REC_VR3
REC_VR4
HP_VR
KEY_STB
(5) HP_GND
AGND
VR_GND
L_HP
R_HP
MUTE_H
VFDLED
CLK
LED_CLK
STB
RST_L
SW_CLK_B
SW_CLK_A
SW_CLK_C
KEY_DATA
DIAL_DATA0
DIAL_DATA1
DIAL_STILL
DIAL_SHTL
DIAL
DIAL_BUS[0-7]
R105
D1H84704A008
R104
D0GZ103J0001
L100
J0JHC0000016
L101
L102
VFD+5V
IC100
C0JBAZ000994
SN74LV14APWR
IC101
C0JBAB000541
SN74AHCT04PWR
IC115
C0JBAZ001003
SN74LV244APWR
IC102
C0JBAZ001121
SN74LV541APWR
IC105
IC106
PAT/C0JBAB000247
SN74LV04APWR
IC107
PAT/C0JBAE000148
SN74LV32APWR
IC108
PAT/C0JBAA000173
SN74LV11APWR
IC109
IC110
IC111
PAT/CD4013BPWR
IC104
PAT/CD4015BPWR
IC112
PAT/CD4516BPWR
IC113
IC114
PAT/SN74LV165ANSR
C0JBAZ001935
IC103
UPC339G2-T1
P101
VJP1246T
+5V
D_STILL
D_SHTL
D_DATA0
D_DATA1
GND
L103
VLP0133-T
R127
D0GZ103J0001
A
B
C
D
E
F
G
H
I
J
1
2
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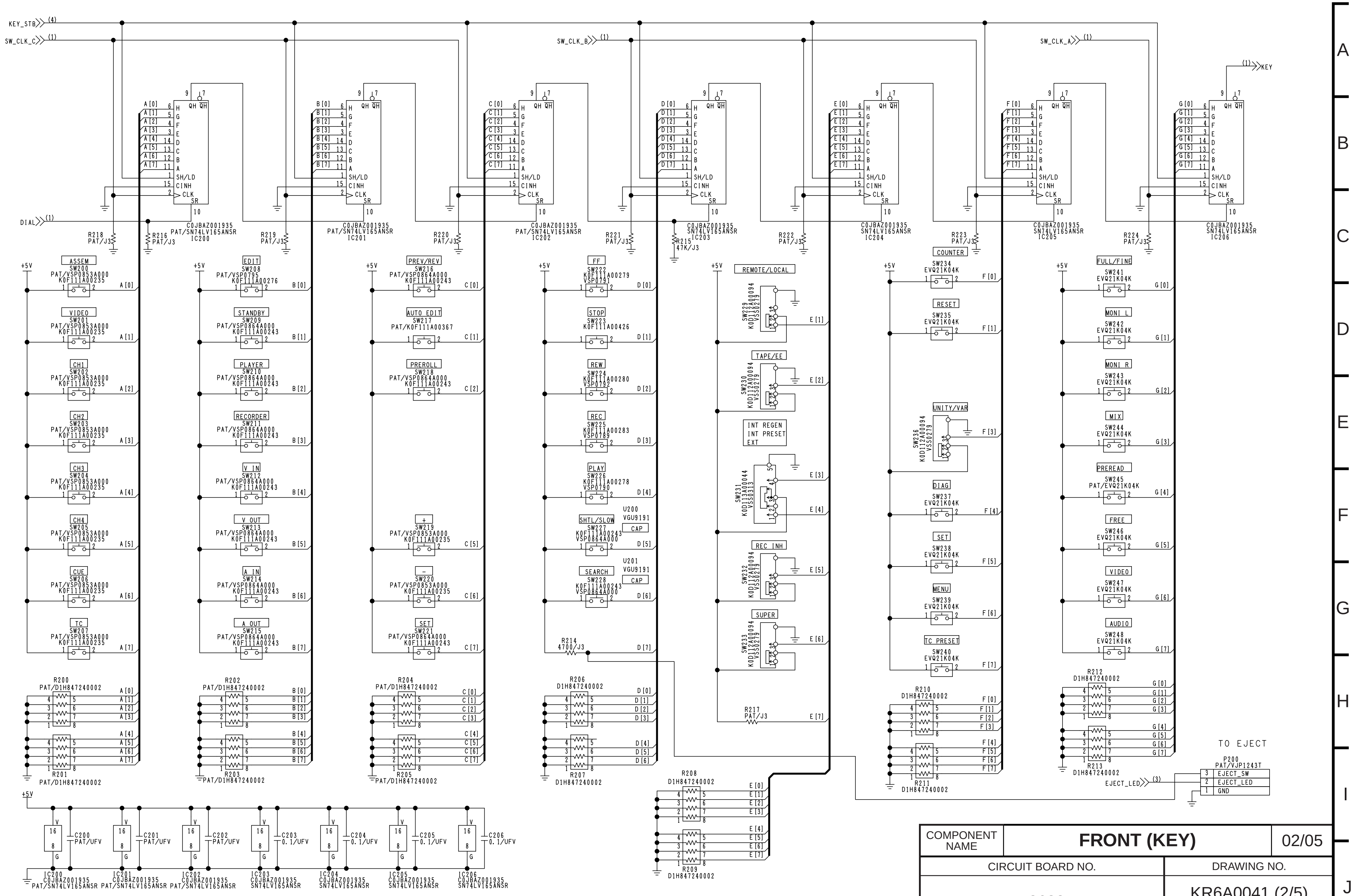
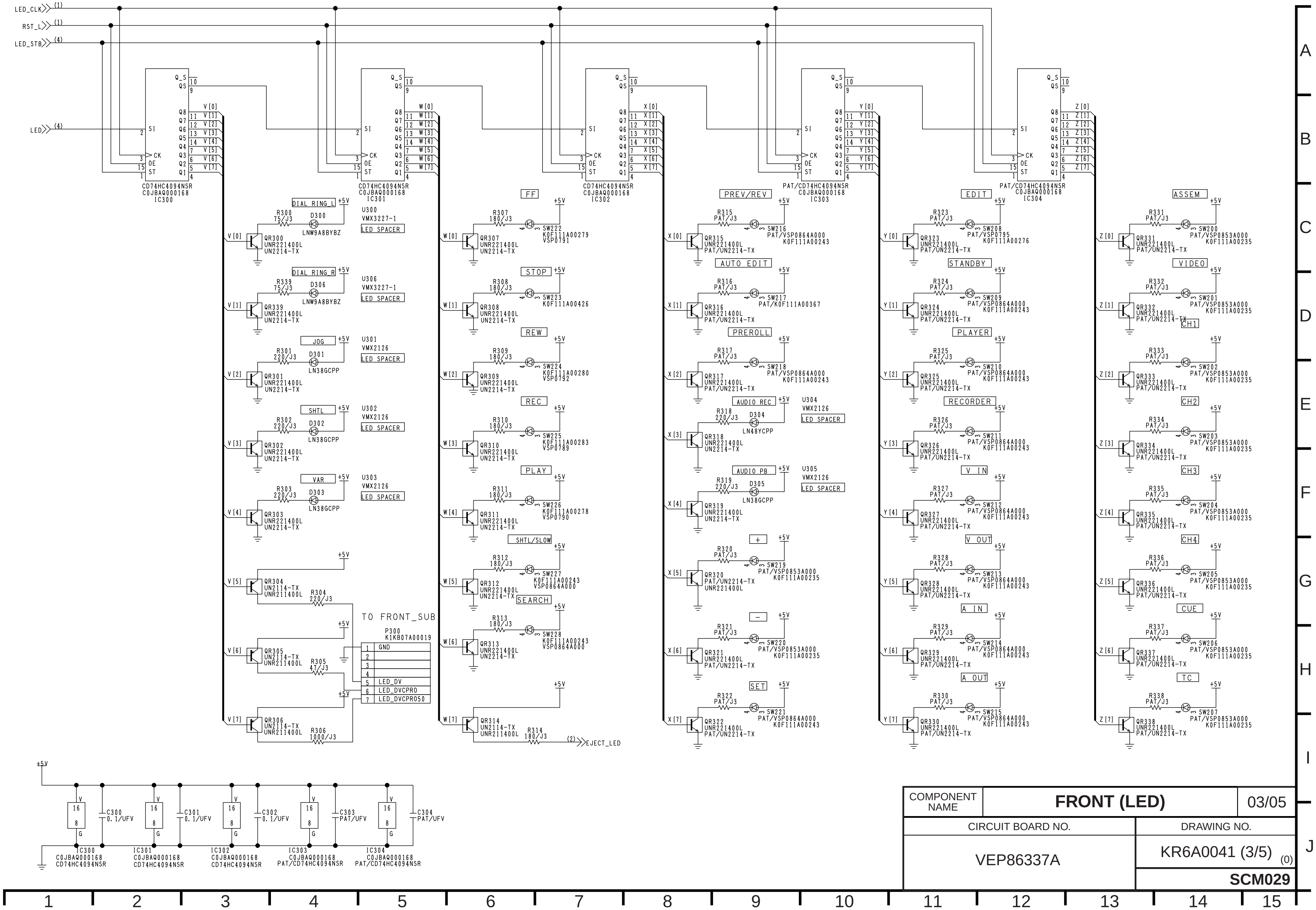
COMPONENT NAME	FRONT (CONNECTOR, DIAL)	01/05

CIRCUIT BOARD NO.	DRAWING NO.
VEP86337A	KR6A0041 (1/5) (0)
	SCM027


KEY_STB (4)
SW_CLK_C (1)
SW_CLK_B (1)
SW_CLK_A (1)
DIAL (1)
(1) KEY
IC200 C0JBAZ001935 PAT/SN74LV165ANSR
IC201 C0JBAZ001935 PAT/SN74LV165ANSR
IC202 C0JBAZ001935 PAT/SN74LV165ANSR
IC203 C0JBAZ001935 SN74LV165ANSR
IC204 C0JBAZ001935 SN74LV165ANSR
IC205 C0JBAZ001935 SN74LV165ANSR
IC206 C0JBAZ001935 SN74LV165ANSR
SH/LD
CINH
CLK
SR
QH
R218 PAT/J3
R216 PAT/J3
R219 PAT/J3
R220 PAT/J3
R221 PAT/J3
R215 47K/J3
R222 PAT/J3
R223 PAT/J3
R224 PAT/J3
+5V
ASSEM SW200 PAT/VSP0853A000 K0F111A00235
VIDEO SW201 PAT/VSP0853A000 K0F111A00235
CH1 SW202 PAT/VSP0853A000 K0F111A00235
CH2 SW203 PAT/VSP0853A000 K0F111A00235
CH3 SW204 PAT/VSP0853A000 K0F111A00235
CH4 SW205 PAT/VSP0853A000 K0F111A00235
CUE SW206 PAT/VSP0853A000 K0F111A00235
TC SW207 PAT/VSP0853A000 K0F111A00235
EDIT SW208 PAT/VSP0795 K0F111A00276
STANDBY SW209 PAT/VSP0864A000 K0F111A00243
PLAYER SW210 PAT/VSP0864A000 K0F111A00243
RECORDER SW211 PAT/VSP0864A000 K0F111A00243
V IN SW212 PAT/VSP0864A000 K0F111A00243
V OUT SW213 PAT/VSP0864A000 K0F111A00243
A IN SW214 PAT/VSP0864A000 K0F111A00243
A OUT SW215 PAT/VSP0864A000 K0F111A00243
PREV/REV SW216 PAT/VSP0864A000 K0F111A00243
AUTO EDIT SW217 PAT/K0F111A00367
PREROLL SW218 PAT/VSP0864A000 K0F111A00243
+ SW219 PAT/VSP0853A000 K0F111A00235
– SW220 PAT/VSP0853A000 K0F111A00235
SET SW221 PAT/VSP0864A000 K0F111A00243
FF SW222 K0F111A00279 VSP0791
STOP SW223 K0F111A00426
REW SW224 K0F111A00280 VSP0792
REC SW225 K0F111A00283 VSP0789
PLAY SW226 K0F111A00278 VSP0790
SHTL/SLOW SW227 K0F111A00243 VSP0864A000
U200 VGU9191 CAP
SEARCH SW228 K0F111A00243 VSP0864A000
U201 VGU9191 CAP
R214 4700/J3
REMOTE/LOCAL SW229 K0D112A00094 VSS0279
TAPE/EE SW230 K0D112A00094 VSS0279
INT REGEN INT PRESET EXT SW231 K0D113A00044 VSS0313
REC INH SW232 K0D112A00094 VSS0279
SUPER SW233 K0D112A00094 VSS0279
R217 PAT/J3
COUNTER SW234 EVQ21K04K
RESET SW235 EVQ21K04K
UNITY/VAR SW236 K0D112A00094 VSS0279
DIAG SW237 EVQ21K04K
SET SW238 EVQ21K04K
MENU SW239 EVQ21K04K
TC PRESET SW240 EVQ21K04K
FULL/FINE SW241 EVQ21K04K
MONI L SW242 EVQ21K04K
MONI R SW243 EVQ21K04K
MIX SW244 EVQ21K04K
PREREAD SW245 PAT/EVQ21K04K
FREE SW246 EVQ21K04K
VIDEO SW247 EVQ21K04K
AUDIO SW248 EVQ21K04K
R200 PAT/D1H847240002
R201 PAT/D1H847240002
R202 PAT/D1H847240002
R203 PAT/D1H847240002
R204 PAT/D1H847240002
R205 PAT/D1H847240002
R206 D1H847240002
R207 D1H847240002
R208 D1H847240002
R209 D1H847240002
R210 D1H847240002
R211 D1H847240002
R212 D1H847240002
R213 D1H847240002
TO EJECT
P200 PAT/VJP1243T
EJECT_SW
EJECT_LED
GND
EJECT_LED (3)
C200 PAT/UFV
C201 PAT/UFV
C202 PAT/UFV
C203 0.1/UFV
C204 0.1/UFV
C205 0.1/UFV
C206 0.1/UFV
IC200 C0JBAZ001935 PAT/SN74LV165ANSR
IC201 C0JBAZ001935 PAT/SN74LV165ANSR
IC202 C0JBAZ001935 PAT/SN74LV165ANSR
IC203 C0JBAZ001935 SN74LV165ANSR
IC204 C0JBAZ001935 SN74LV165ANSR
IC205 C0JBAZ001935 SN74LV165ANSR
IC206 C0JBAZ001935 SN74LV165ANSR
A B C D E F G H I J
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

COMPONENT NAME	FRONT (KEY)	02/05

CIRCUIT BOARD NO.	DRAWING NO.
VEP86337A	KR6A0041 (2/5) (0)
	SCM028



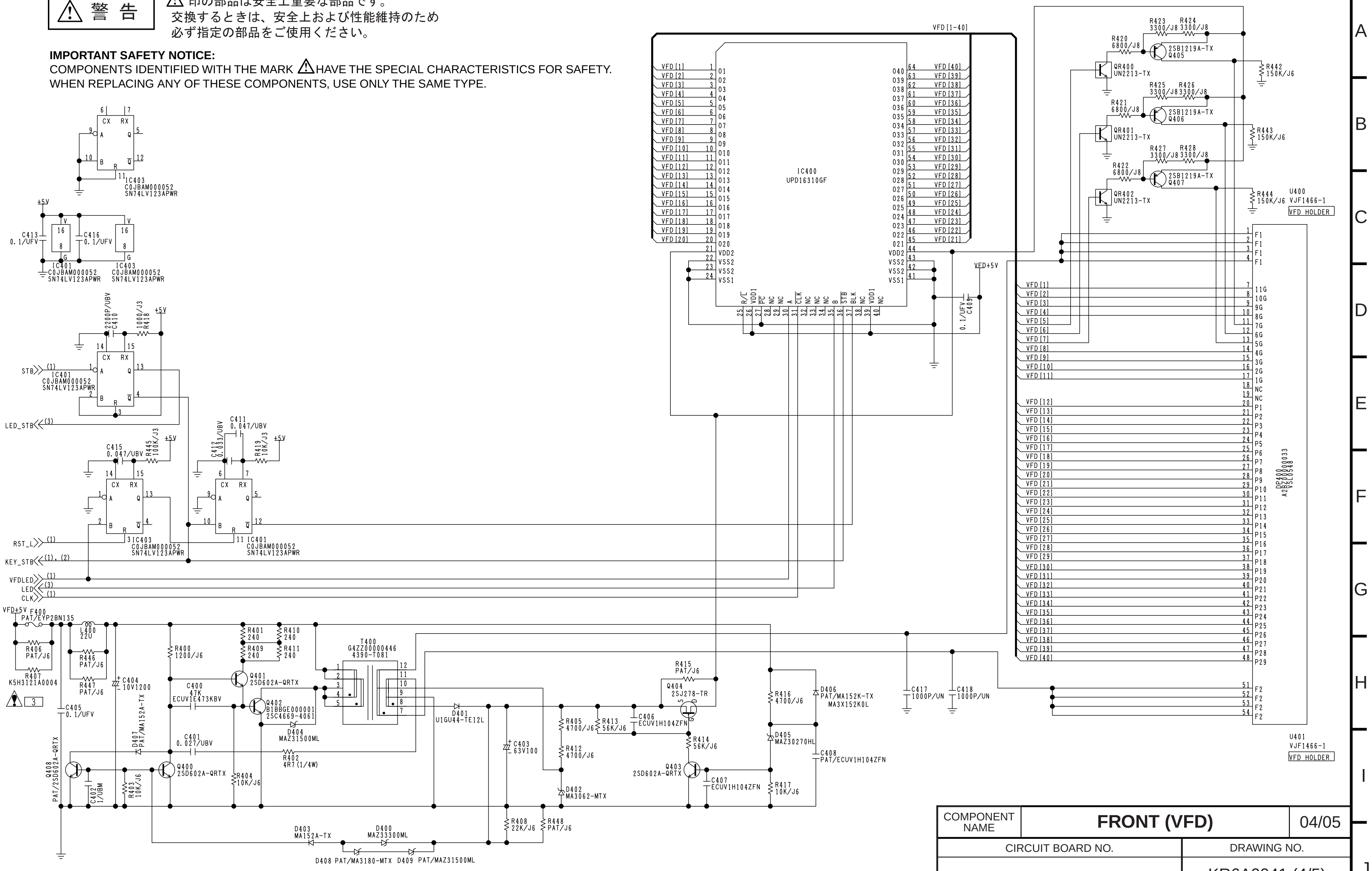
LED_CLK (1)
RST_L (1)
LED_STB (4)
LED (4)
SI
CK
OE
ST
Q_S
QS
Q8 Q7 Q6 Q5 Q4 Q3 Q2 Q1
CD74HC4094NSR
C0JBAQ000168
IC300
IC301
IC302
PAT/CD74HC4094NSR
IC303
IC304
V[0] V[1] V[2] V[3] V[4] V[5] V[6] V[7]
W[0] W[1] W[2] W[3] W[4] W[5] W[6] W[7]
X[0] X[1] X[2] X[3] X[4] X[5] X[6] X[7]
Y[0] Y[1] Y[2] Y[3] Y[4] Y[5] Y[6] Y[7]
Z[0] Z[1] Z[2] Z[3] Z[4] Z[5] Z[6] Z[7]
DIAL RING_L
R300 75/J3
D300
LNW9A8BYBZ
U300
VMX3227-1
LED SPACER
QR300
UNR221400L
UN2214-TX
DIAL RING_R
R339 75/J3
D306
LNW9A8BYBZ
U306
VMX3227-1
QR339
JOG
R301 220/J3
D301
LN38GCPP
U301
VMX2126
QR301
SHTL
R302 220/J3
D302
LN38GCPP
U302
VMX2126
QR302
VAR
R303 220/J3
D303
LN38GCPP
U303
VMX2126
QR303
QR304
UN2114-TX
UNR211400L
R304 220/J3
TO FRONT_SUB
P300
K1KB07A00019
1 GND
2
3
4
5 LED_DV
6 LED_DVCPRO
7 LED_DVCPRO50
QR305
R305 47/J3
QR306
R306 1000/J3
FF
R307 180/J3
SW222
K0F111A00279
VSP0791
QR307
STOP
R308 180/J3
SW223
K0F111A00426
QR308
REW
R309 180/J3
SW224
K0F111A00280
VSP0792
QR309
REC
R310 180/J3
SW225
K0F111A00283
VSP0789
QR310
PLAY
R311 180/J3
SW226
K0F111A00278
VSP0790
QR311
SHTL/SLOW
R312 180/J3
SW227
K0F111A00243
VSP0864A000
QR312
SEARCH
R313 180/J3
SW228
K0F111A00243
VSP0864A000
QR313
QR314
UN2114-TX
UNR211400L
R314 180/J3
(2) EJECT_LED
PREV/REV
R315 PAT/J3
SW216
PAT/VSP0864A000
K0F111A00243
QR315
PAT/UN2214-TX
AUTO EDIT
R316 PAT/J3
SW217
PAT/K0F111A00367
QR316
PREROLL
R317 PAT/J3
SW218
QR317
AUDIO REC
R318 220/J3
D304
LN48YCPP
U304
VMX2126
QR318
AUDIO PB
R319 220/J3
D305
LN38GCPP
U305
VMX2126
QR319
+
R320 PAT/J3
SW219
PAT/VSP0853A000
K0F111A00235
QR320
PAT/UN2214-TX
–
R321 PAT/J3
SW220
QR321
SET
R322 PAT/J3
SW221
QR322
EDIT
R323 PAT/J3
SW208
PAT/VSP0795
K0F111A00276
QR323
STANDBY
R324 PAT/J3
SW209
QR324
PLAYER
R325 PAT/J3
SW210
QR325
RECORDER
R326 PAT/J3
SW211
QR326
V IN
R327 PAT/J3
SW212
QR327
V OUT
R328 PAT/J3
SW213
QR328
A IN
R329 PAT/J3
SW214
QR329
A OUT
R330 PAT/J3
SW215
QR330
ASSEM
R331 PAT/J3
SW200
PAT/VSP0853A000
K0F111A00235
QR331
VIDEO
R332 PAT/J3
SW201
QR332
CH1
R333 PAT/J3
SW202
QR333
CH2
R334 PAT/J3
SW203
QR334
CH3
R335 PAT/J3
SW204
QR335
CH4
R336 PAT/J3
SW205
QR336
CUE
R337 PAT/J3
SW206
QR337
TC
R338 PAT/J3
SW207
QR338
+5V
C300 0.1/UFV
C301 0.1/UFV
C302 0.1/UFV
C303 PAT/UFV
C304 PAT/UFV
V 16 8 G
A B C D E F G H I J
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

COMPONENT NAME	**FRONT (LED)**	03/05
CIRCUIT BOARD NO.	DRAWING NO.	
VEP86337A	KR6A0041 (3/5) (0)	
	SCM029	

⚠ 警 告

⚠ 印の部品は安全上重要な部品です。
交換するときは、安全上および性能維持のため
必ず指定の部品をご使用ください。

IMPORTANT SAFETY NOTICE:
COMPONENTS IDENTIFIED WITH THE MARK ⚠ HAVE THE SPECIAL CHARACTERISTICS FOR SAFETY.
WHEN REPLACING ANY OF THESE COMPONENTS, USE ONLY THE SAME TYPE.



IC400
UPD16310GF
VFD [1-40]
VDD2
VSS2
VSS1
IC403
C0JBAM000052
SN74LV123APWR
IC401
C0JBAM000052
SN74LV123APWR
C413 0.1/UFV
C416 0.1/UFV
C410 2200P/UBV
R418 1000/J3
C415 0.047/UBV
R445 100K/J3
C411 0.047/UBV
C412 0.033/UBV
R419 10K/J3
C409 0.1/UFV
+5V
VFD+5V
STB
LED_STB
RST_L
KEY_STB
VFDLED
LED
CLK
F400 PAT/EYP2BN135
L400 220
R406 PAT/J6
R407 K5H3121A0004
R446 PAT/J6
R447 PAT/J6
C404 10V1200
C405 0.1/UFV
D407 PAT/MA152A-TX
Q408 PAT/2SD602A-QRTX
C402 1/UBM
R403 10K/J6
R400 1200/J6
C400 47K ECUV1E473KBV
C401 0.027/UBV
Q400 2SD602A-QRTX
R401 240
R409 240
R410 240
R411 240
Q401 2SD602A-QRTX
Q402 B1BBGE000001 2SC4669-4061
D404 MAZ31500ML
R402 4R7(1/4W)
R404 10K/J6
T400 G4ZZ00000446 4390-T081
D401 U1GU44-TE12L
C403 63V100
D403 MA152A-TX
D400 MAZ33300ML
D408 PAT/MA3180-MTX
D409 PAT/MAZ31500ML
R408 22K/J6
R448 PAT/J6
R405 4700/J6
R412 4700/J6
D402 MA3062-MTX
R413 56K/J6
C406 ECUV1H104ZFN
R415 PAT/J6
Q404 2SJ278-TR
R414 56K/J6
Q403 2SD602A-QRTX
C407 ECUV1H104ZFN
R416 4700/J6
D406 PAT/MA152K-TX MA3X152K0L
D405 MAZ30270HL
C408 PAT/ECUV1H104ZFN
R417 10K/J6
C417 1000P/UN
C418 1000P/UN
R420 6800/J8
R423 3300/J8
R424 3300/J8
Q405 2SB1219A-TX
QR400 UN2213-TX
R442 150K/J6
R421 6800/J8
R425 3300/J8
R426 3300/J8
Q406 2SB1219A-TX
QR401 UN2213-TX
R443 150K/J6
R422 6800/J8
R427 3300/J8
R428 3300/J8
Q407 2SB1219A-TX
QR402 UN2213-TX
R444 150K/J6
U400 VJF1466-1 VFD HOLDER
U401 VJF1466-1 VFD HOLDER
DP400 A2BZ00000033 VSL0548
A
B
C
D
E
F
G
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I
J
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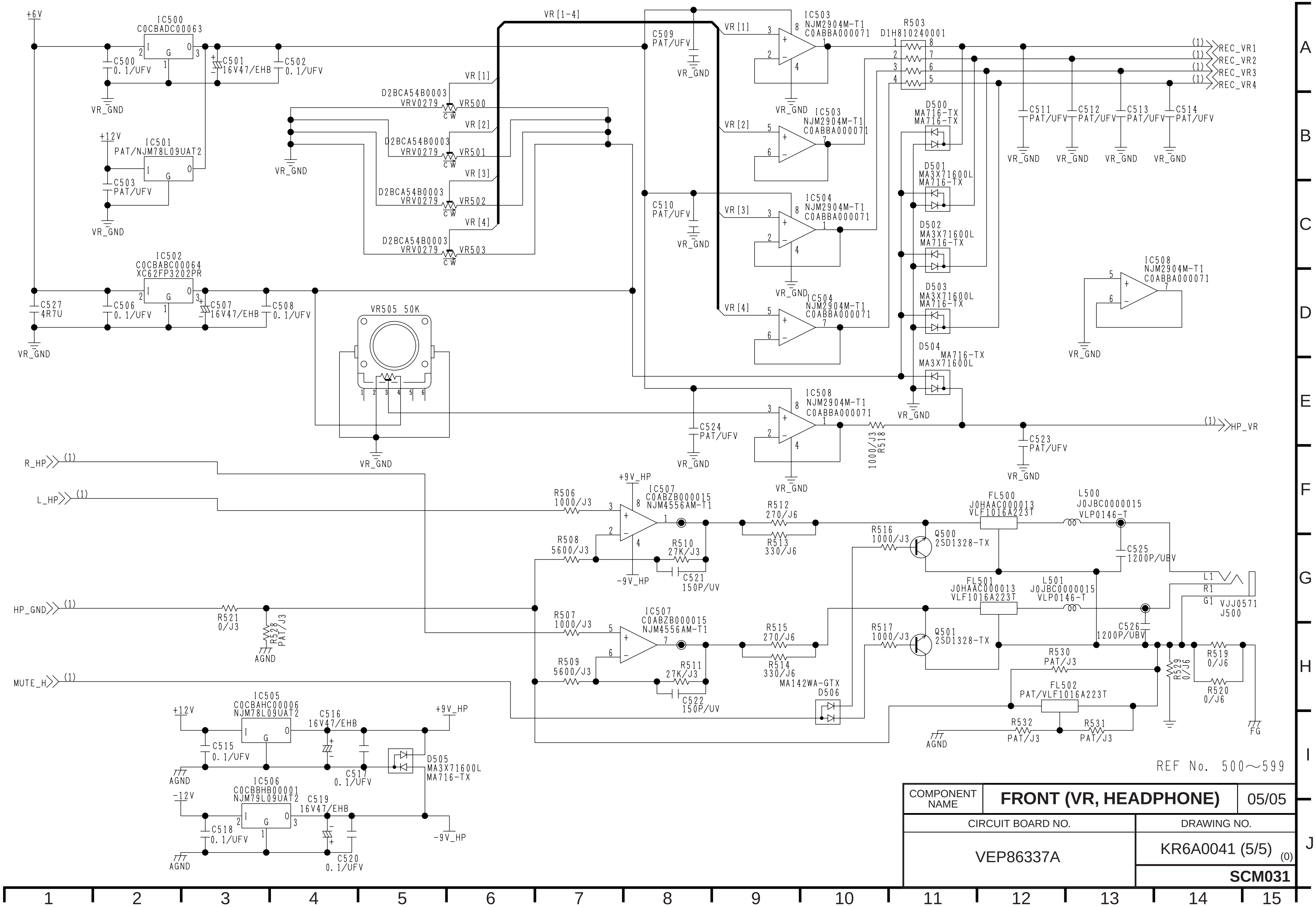
COMPONENT NAME	FRONT (VFD)	04/05
CIRCUIT BOARD NO.	DRAWING NO.	
VEP86337A	KR6A0041 (4/5) (0)	
	SCM030	


+6V
IC500
C0CBADC00063
C500
0.1/UFV
C501
16V47/EHB
C502
0.1/UFV
VR_GND
+12V
IC501
PAT/NJM78L09UAT2
C503
PAT/UFV
IC502
C0CBABC00064
XC62FP3202PR
C527
4R7U
C506
0.1/UFV
C507
16V47/EHB
C508
0.1/UFV
VR[1-4]
VR[1]
VR[2]
VR[3]
VR[4]
D2BCA54B0003
VRV0279
VR500
VR501
VR502
VR503
CW
VR505 50K
C509
PAT/UFV
C510
PAT/UFV
C524
PAT/UFV
IC503
NJM2904M-T1
C0ABBA000071
IC504
NJM2904M-T1
C0ABBA000071
IC508
NJM2904M-T1
C0ABBA000071
R503
D1H810240001
D500
MA716-TX
D501
MA3X71600L
MA716-TX
D502
MA3X71600L
MA716-TX
D503
MA3X71600L
MA716-TX
D504
MA716-TX
MA3X71600L
C511
PAT/UFV
C512
PAT/UFV
C513
PAT/UFV
C514
PAT/UFV
(1) REC_VR1
(1) REC_VR2
(1) REC_VR3
(1) REC_VR4
R518
1000/J3
C523
PAT/UFV
(1) HP_VR
R_HP (1)
L_HP (1)
HP_GND (1)
MUTE_H (1)
+9V_HP
-9V_HP
IC507
C0ABZB000015
NJM4556AM-T1
R506
1000/J3
R507
1000/J3
R508
5600/J3
R509
5600/J3
R510
27K/J3
R511
27K/J3
C521
150P/UV
C522
150P/UV
R512
270/J6
R513
330/J6
R514
330/J6
R515
270/J6
R516
1000/J3
R517
1000/J3
Q500
2SD1328-TX
Q501
2SD1328-TX
FL500
J0HAAC000013
VLF1016A223T
FL501
J0HAAC000013
VLF1016A223T
L500
J0JBC0000015
VLP0146-T
L501
J0JBC0000015
VLP0146-T
C525
1200P/UBV
C526
1200P/UBV
L1
R1
G1
VJJ0571
J500
R519
0/J6
R520
0/J6
R529
0/J6
R530
PAT/J3
FL502
PAT/VLF1016A223T
R531
PAT/J3
R532
PAT/J3
MA142WA-GTX
D506
R521
0/J3
R528
PAT/J3
AGND
FG
IC505
C0CBAHC00006
NJM78L09UAT2
C515
0.1/UFV
C516
16V47/EHB
C517
0.1/UFV
D505
MA3X71600L
MA716-TX
-12V
IC506
C0CBBHB00001
NJM79L09UAT2
C518
0.1/UFV
C519
16V47/EHB
C520
0.1/UFV
I
G
O
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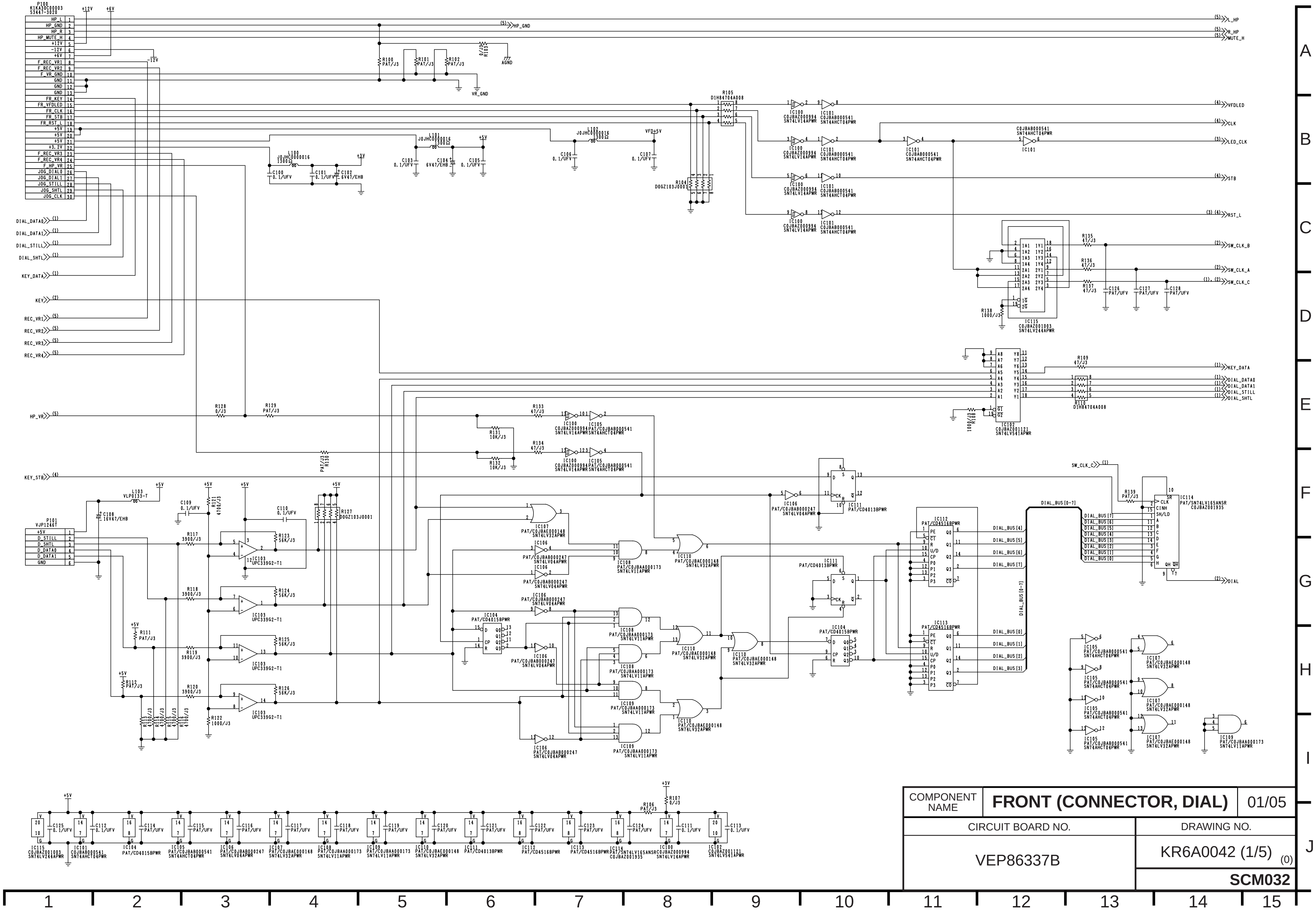
REF No. 500～599

COMPONENT NAME	FRONT (VR, HEADPHONE)	05/05
CIRCUIT BOARD NO.	DRAWING NO.	
VEP86337A	KR6A0041 (5/5) (0)	
	SCM031	


P100
K1KA30C00003
53447-3020
HP_L
HP_GND
HP_R
HP_MUTE_H
+12V
-12V
+6V
F_REC_VR1
F_REC_VR2
F_VR_GND
GND
FR_KEY
FR_VFDLED
FR_CLK
FR_STB
FR_RST_L
+5V
+3.2V
F_REC_VR3
F_REC_VR4
F_HP_VR
JOG_DIAL0
JOG_DIAL1
JOG_STILL
JOG_SHTL
JOG_CLK
HP_GND
L_HP
R_HP
MUTE_H
AGND
VR_GND
R105
D1H84704A008
VFDLED
CLK
LED_CLK
STB
RST_L
IC100
C0JBAZ000994
SN74LV14APWR
IC101
C0JBAB000541
SN74AHCT04PWR
L100
L101
L102
VFD+5V
R104
D0GZ103J0001
DIAL_DATA0
DIAL_DATA1
DIAL_STILL
DIAL_SHTL
KEY_DATA
KEY
REC_VR1
REC_VR2
REC_VR3
REC_VR4
HP_VR
KEY_STB
SW_CLK_B
SW_CLK_A
SW_CLK_C
IC115
C0JBAZ001003
SN74LV244APWR
IC102
C0JBAZ001121
SN74LV541APWR
R109
R110
D1H84704A008
P101
VJP1248T
D_STILL
D_SHTL
D_DATA0
D_DATA1
L103
VLP0133-T
IC103
UPC339G2-T1
IC104
PAT/CD4015BPWR
IC105
PAT/C0JBAB000541
SN74AHCT04PWR
IC106
PAT/C0JBAB000247
SN74LV04APWR
IC107
PAT/C0JBAE000148
SN74LV32APWR
IC108
PAT/C0JBAA000173
SN74LV11APWR
IC109
IC110
IC111
PAT/CD4013BPWR
IC112
PAT/CD4516BPWR
IC113
IC114
PAT/SN74LV165ANSR
C0JBAZ001935
DIAL_BUS [0-7]
SW_CLK_C
DIAL
A
B
C
D
E
F
G
H
I
J
1
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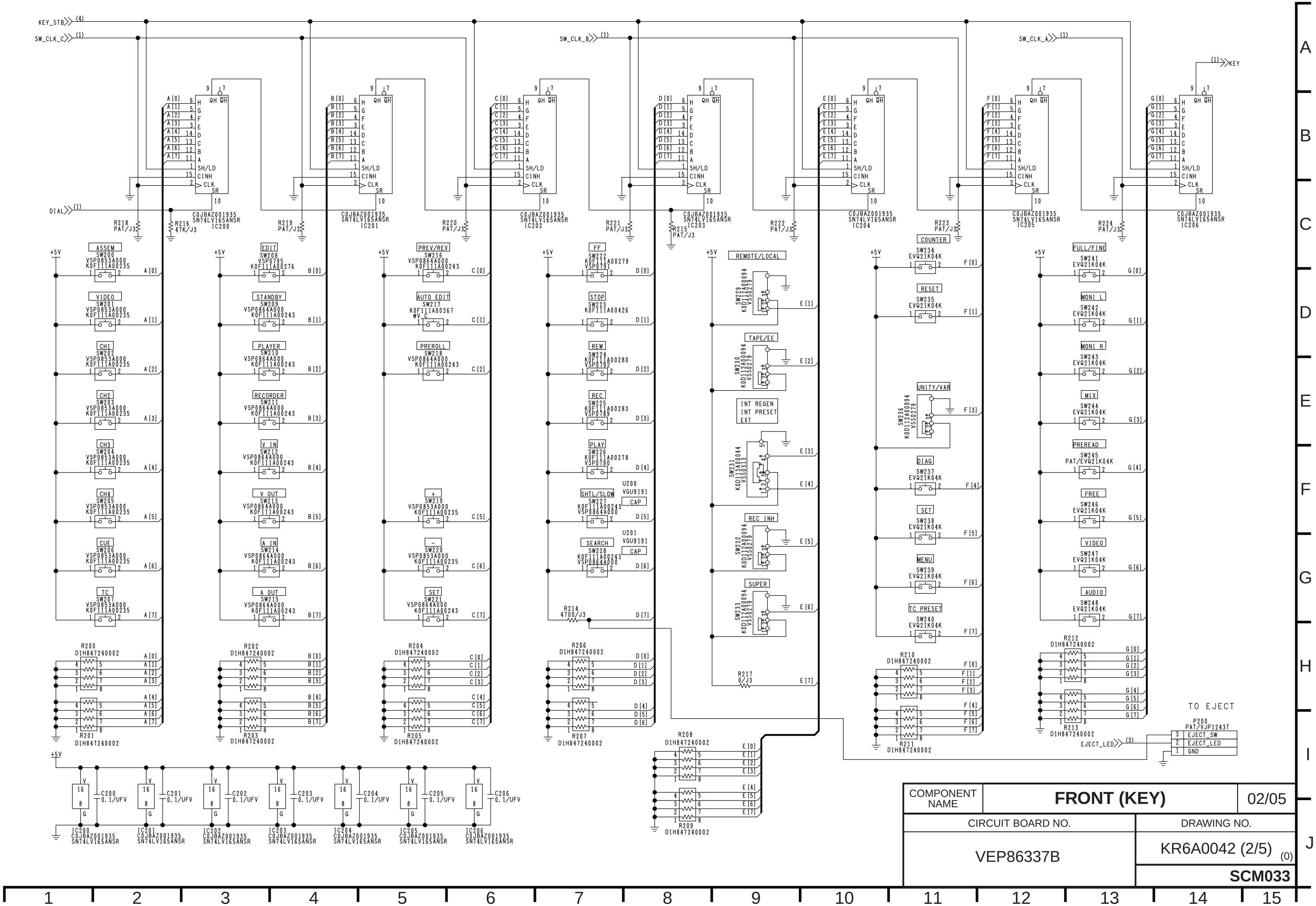
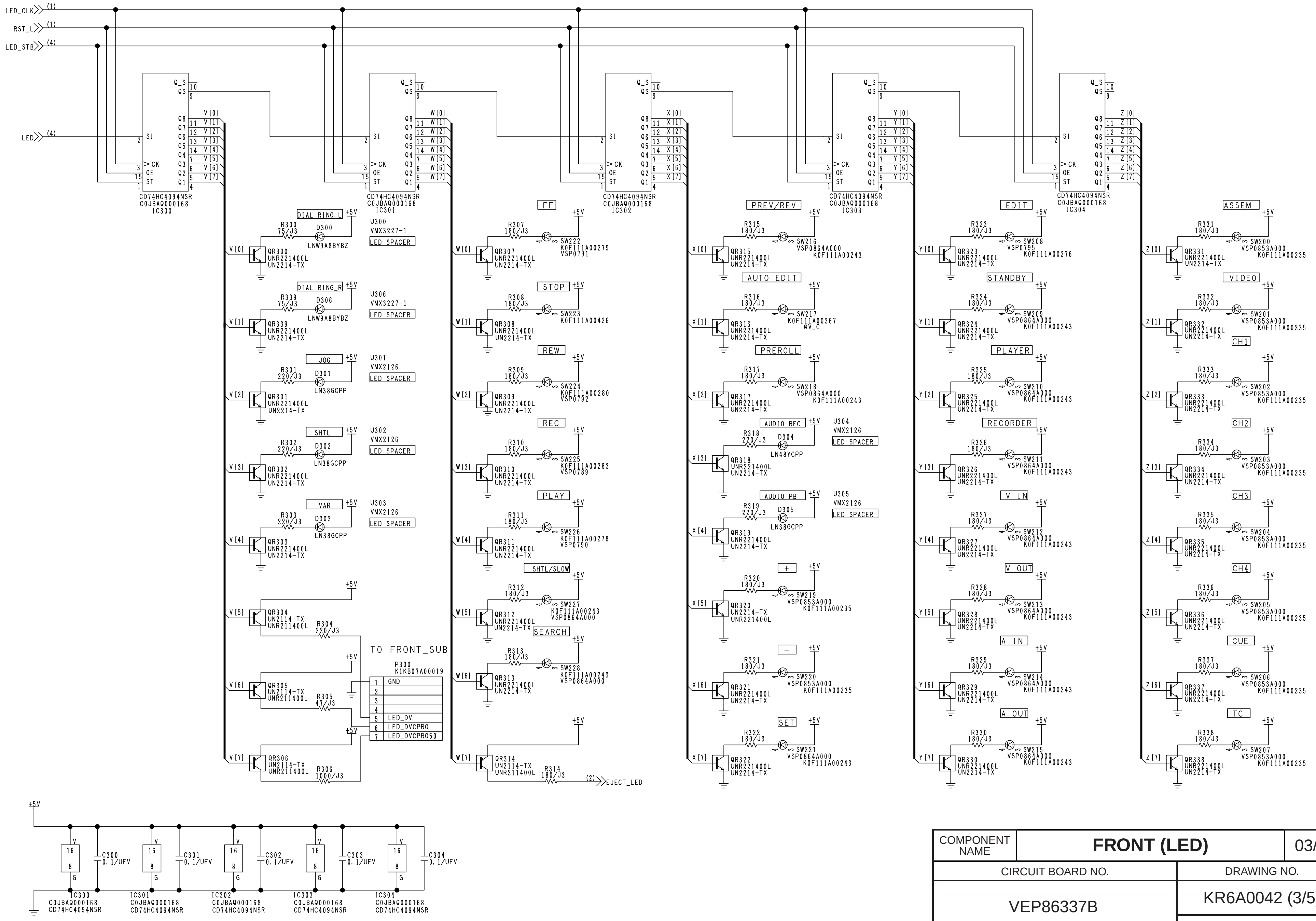
COMPONENT NAME	FRONT (CONNECTOR, DIAL)	01/05
CIRCUIT BOARD NO.		DRAWING NO.
VEP86337B		KR6A0042 (1/5) (0)
		SCM032


KEY_STB (4)
SW_CLK_C (1)
SW_CLK_B (1)
SW_CLK_A (1)
DIAL (1)
(1) KEY
IC200 C0JBAZ001935 SN74LV165ANSR
IC201 C0JBAZ001935 SN74LV165ANSR
IC202 C0JBAZ001935 SN74LV165ANSR
IC203 C0JBAZ001935 SN74LV165ANSR
IC204 C0JBAZ001935 SN74LV165ANSR
IC205 C0JBAZ001935 SN74LV165ANSR
IC206 C0JBAZ001935 SN74LV165ANSR
QH QH
SH/LD
CINH
CLK
SR
R216 47K/J3
R215 PAT/J3
R218 PAT/J3
R219 PAT/J3
R220 PAT/J3
R221 PAT/J3
R222 PAT/J3
R223 PAT/J3
R224 PAT/J3
+5V
ASSEM SW200 VSP0853A000 K0F111A00235
VIDEO SW201 VSP0853A000 K0F111A00235
CH1 SW202 VSP0853A000 K0F111A00235
CH2 SW203 VSP0853A000 K0F111A00235
CH3 SW204 VSP0853A000 K0F111A00235
CH4 SW205 VSP0853A000 K0F111A00235
CUE SW206 VSP0853A000 K0F111A00235
TC SW207 VSP0853A000 K0F111A00235
EDIT SW208 VSP0795 K0F111A00276
STANDBY SW209 VSP0864A000 K0F111A00243
PLAYER SW210 VSP0864A000 K0F111A00243
RECORDER SW211 VSP0864A000 K0F111A00243
V IN SW212 VSP0864A000 K0F111A00243
V OUT SW213 VSP0864A000 K0F111A00243
A IN SW214 VSP0864A000 K0F111A00243
A OUT SW215 VSP0864A000 K0F111A00243
PREV/REV SW216 VSP0864A000 K0F111A00243
AUTO EDIT SW217 K0F111A00367 @V_C
PREROLL SW218 VSP0864A000 K0F111A00243
+ SW219 VSP0864A000 K0F111A00235
− SW220 VSP0853A000 K0F111A00235
SET SW221 VSP0864A000 K0F111A00243
FF SW222 K0F111A00279 VSP0791
STOP SW223 K0F111A00426
REW SW224 K0F111A00280 VSP0792
REC SW225 K0F111A00283 VSP0789
PLAY SW226 K0F111A00278 VSP0790
SHTL/SLOW SW227 K0F111A00243 VSP0864A000
U200 VGU9191 CAP
SEARCH SW228 K0F111A00243 VSP0864A000
U201 VGU9191 CAP
R214 4700/J3
REMOTE/LOCAL SW229 K0D112A00094 VSS0279
TAPE/EE SW230 K0D112A00094 VSS0279
INT REGEN
INT PRESET
EXT
SW231 K0D113A00044 VSS0313
REC INH SW232 K0D112A00094 VSS0279
SUPER SW233 K0D112A00094 VSS0279
R217 0/J3
COUNTER SW234 EVQ21K04K
RESET SW235 EVQ21K04K
UNITY/VAR SW236 K0D112A00094 VSS0279
DIAG SW237 EVQ21K04K
SET SW238 EVQ21K04K
MENU SW239 EVQ21K04K
TC PRESET SW240 EVQ21K04K
FULL/FINE SW241 EVQ21K04K
MONI L SW242 EVQ21K04K
MONI R SW243 EVQ21K04K
MIX SW244 EVQ21K04K
PREREAD SW245 PAT/EVQ21K04K
FREE SW246 EVQ21K04K
VIDEO SW247 EVQ21K04K
AUDIO SW248 EVQ21K04K
R200 D1H847240002
R201 D1H847240002
R202 D1H847240002
R203 D1H847240002
R204 D1H847240002
R205 D1H847240002
R206 D1H847240002
R207 D1H847240002
R208 D1H847240002
R209 D1H847240002
R210 D1H847240002
R211 D1H847240002
R212 D1H847240002
R213 D1H847240002
TO EJECT
P200 PAT/VJP1243T
3 EJECT_SW
2 EJECT_LED
1 GND
EJECT_LED (3)
C200 0.1/UFV
C201 0.1/UFV
C202 0.1/UFV
C203 0.1/UFV
C204 0.1/UFV
C205 0.1/UFV
C206 0.1/UFV
A B C D E F G H I J
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

COMPONENT NAME	FRONT (KEY)		02/05
CIRCUIT BOARD NO.		DRAWING NO.	
VEP86337B		KR6A0042 (2/5) (0)	
		SCM033	


LED_CLK (1)
RST_L (1)
LED_STB (4)
LED (4)
CD74HC4094NSR
C0JBAQ000168
IC300
IC301
IC302
IC303
IC304
Q_S
QS
Q8
Q7
Q6
Q5
Q4
Q3
Q2
Q1
SI
CK
OE
ST
V[0]
V[1]
V[2]
V[3]
V[4]
V[5]
V[6]
V[7]
W[0]
X[0]
Y[0]
Z[0]
DIAL RING_L
DIAL RING_R
JOG
SHTL
VAR
U300
VMX3227-1
U306
U301
VMX2126
U302
U303
LED SPACER
R300 75/J3
D300 LN9A8BYBZ
R339 75/J3
D306 LN9A8BYBZ
R301 220/J3
D301 LN38GCPP
R302 220/J3
D302 LN38GCPP
R303 220/J3
D303 LN38GCPP
QR300
UNR221400L
UN2214-TX
QR339
QR301
QR302
QR303
QR304
UN2114-TX
UNR211400L
R304 220/J3
QR305
R305 47/J3
QR306
R306 1000/J3
TO FRONT_SUB
P300
K1KB07A00019
1 GND
2
3
4
5 LED_DV
6 LED_DVCPRO
7 LED_DVCPRO50
+5V
FF
STOP
REW
REC
PLAY
SHTL/SLOW
SEARCH
R307 180/J3
SW222 K0F111A00279 VSP0791
QR307
R308 180/J3
SW223 K0F111A00426
QR308
R309 180/J3
SW224 K0F111A00280 VSP0792
QR309
R310 180/J3
SW225 K0F111A00283 VSP0789
QR310
R311 180/J3
SW226 K0F111A00278 VSP0790
QR311
R312 180/J3
SW227 K0F111A00243 VSP0864A000
QR312
R313 180/J3
SW228 K0F111A00243 VSP0864A000
QR313
QR314
R314 180/J3
(2) EJECT_LED
PREV/REV
AUTO EDIT
PREROLL
AUDIO REC
AUDIO PB
+
-
SET
R315 180/J3
SW216 VSP0864A000 K0F111A00243
QR315
R316 180/J3
SW217 K0F111A00367 @V_C
QR316
R317 180/J3
SW218 VSP0864A000 K0F111A00243
QR317
R318 220/J3
D304 LN48YCPP
U304 VMX2126
QR318
R319 220/J3
D305 LN38GCPP
U305 VMX2126
QR319
R320 180/J3
SW219 VSP0853A000 K0F111A00235
QR320
R321 180/J3
SW220 VSP0853A000 K0F111A00235
QR321
R322 180/J3
SW221 VSP0864A000 K0F111A00243
QR322
EDIT
STANDBY
PLAYER
RECORDER
V IN
V OUT
A IN
A OUT
R323 180/J3
SW208 VSP0795 K0F111A00276
QR323
R324 180/J3
SW209 VSP0864A000 K0F111A00243
QR324
R325 180/J3
SW210 VSP0864A000 K0F111A00243
QR325
R326 180/J3
SW211 VSP0864A000 K0F111A00243
QR326
R327 180/J3
SW212 VSP0864A000 K0F111A00243
QR327
R328 180/J3
SW213 VSP0864A000 K0F111A00243
QR328
R329 180/J3
SW214 VSP0864A000 K0F111A00243
QR329
R330 180/J3
SW215 VSP0864A000 K0F111A00243
QR330
ASSEM
VIDEO
CH1
CH2
CH3
CH4
CUE
TC
R331 180/J3
SW200 VSP0853A000 K0F111A00235
QR331
R332 180/J3
SW201 VSP0853A000 K0F111A00235
QR332
R333 180/J3
SW202 VSP0853A000 K0F111A00235
QR333
R334 180/J3
SW203 VSP0853A000 K0F111A00235
QR334
R335 180/J3
SW204 VSP0853A000 K0F111A00235
QR335
R336 180/J3
SW205 VSP0853A000 K0F111A00235
QR336
R337 180/J3
SW206 VSP0853A000 K0F111A00235
QR337
R338 180/J3
SW207 VSP0853A000 K0F111A00235
QR338
C300 0.1/UFV
C301 0.1/UFV
C302 0.1/UFV
C303 0.1/UFV
C304 0.1/UFV
V
16
8
G
A
B
C
D
E
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G
H
I
J
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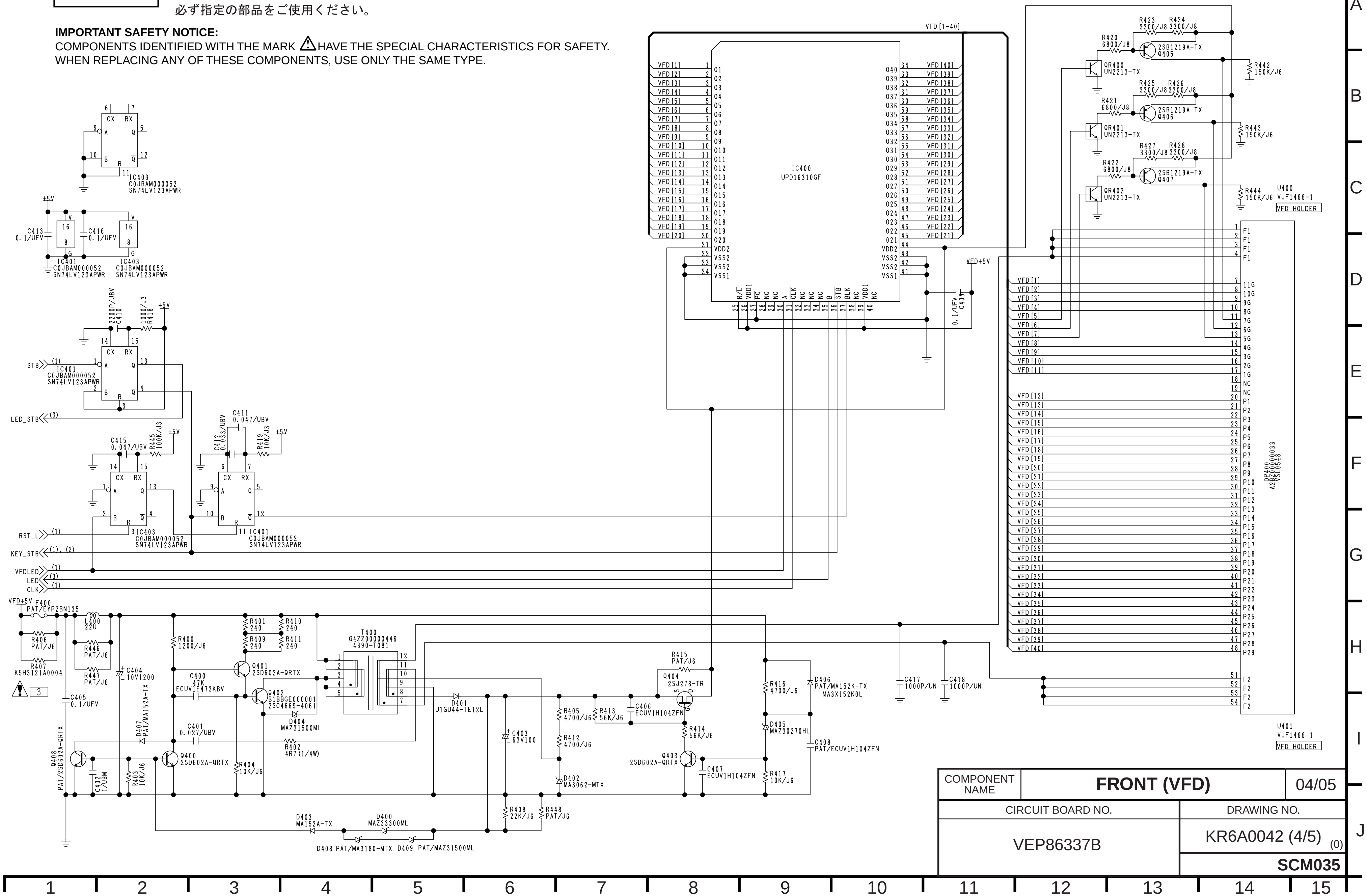
COMPONENT NAME	FRONT (LED)		03/05
CIRCUIT BOARD NO.		DRAWING NO.	
VEP86337B		KR6A0042 (3/5) (0)	
		SCM034	

⚠ 警 告

⚠ 印の部品は安全上重要な部品です。
交換するときは、安全上および性能維持のため
必ず指定の部品をご使用ください。

IMPORTANT SAFETY NOTICE:
COMPONENTS IDENTIFIED WITH THE MARK ⚠ HAVE THE SPECIAL CHARACTERISTICS FOR SAFETY.
WHEN REPLACING ANY OF THESE COMPONENTS, USE ONLY THE SAME TYPE.



IC400
UPD16310GF
VFD [1-40]
VDD2
VSS2
VSS1
VFD+5V
C409 0.1/UFV
IC401 C0JBAM000052 SN74LV123APWR
IC403 C0JBAM000052 SN74LV123APWR
C413 0.1/UFV
C416 0.1/UFV
C410 2200P/UBV
R418 1000/J3
C411 0.047/UBV
C412 0.033/UBV
R419 10K/J3
C415 0.047/UBV
R445 100K/J3
STB
LED_STB
RST_L
KEY_STB
VFDLED
LED
CLK
+5V
F400 PAT/EYP2BN135
L400 220
R406 PAT/J6
R446 PAT/J6
R407 K5H3121A0004
R447 PAT/J6
C405 0.1/UFV
C404 10V1200
D407 PAT/MA152A-TX
Q408 PAT/2SD602A-QRTX
C402 1/UBM
R403 10K/J6
R400 1200/J6
C400 47K ECUV1E473KBV
C401 0.027/UBV
Q400 2SD602A-QRTX
R404 10K/J6
R401 240
R409 240
R410 240
R411 240
Q401 2SD602A-QRTX
Q402 B1BBGE000001 2SC4669-4061
D404 MAZ31500ML
R402 4R7(1/4W)
T400 G4ZZ00000446 4390-T081
D401 U1GU44-TE12L
C403 63V100
D403 MA152A-TX
D400 MAZ33300ML
D408 PAT/MA3180-MTX
D409 PAT/MAZ31500ML
R408 22K/J6
R448 PAT/J6
R405 4700/J6
R412 4700/J6
D402 MA3062-MTX
R413 56K/J6
C406 ECUV1H104ZFN
R415 PAT/J6
Q404 2SJ278-TR
R414 56K/J6
Q403 2SD602A-QRTX
C407 ECUV1H104ZFN
R416 4700/J6
D405 MAZ30270HL
R417 10K/J6
D406 PAT/MA152K-TX MA3X152K0L
C408 PAT/ECUV1H104ZFN
C417 1000P/UN
C418 1000P/UN
R420 6800/J8
R423 3300/J8
R424 3300/J8
Q405 2SB1219A-TX
QR400 UN2213-TX
R442 150K/J6
R421 6800/J8
R425 3300/J8
R426 3300/J8
Q406 2SB1219A-TX
QR401 UN2213-TX
R443 150K/J6
R422 6800/J8
R427 3300/J8
R428 3300/J8
Q407 2SB1219A-TX
QR402 UN2213-TX
R444 150K/J6
U400 VJF1466-1 VFD HOLDER
U401 VJF1466-1 VFD HOLDER
DP400 A2BB00000033 VSC0548
A
B
C
D
E
F
G
H
I
J
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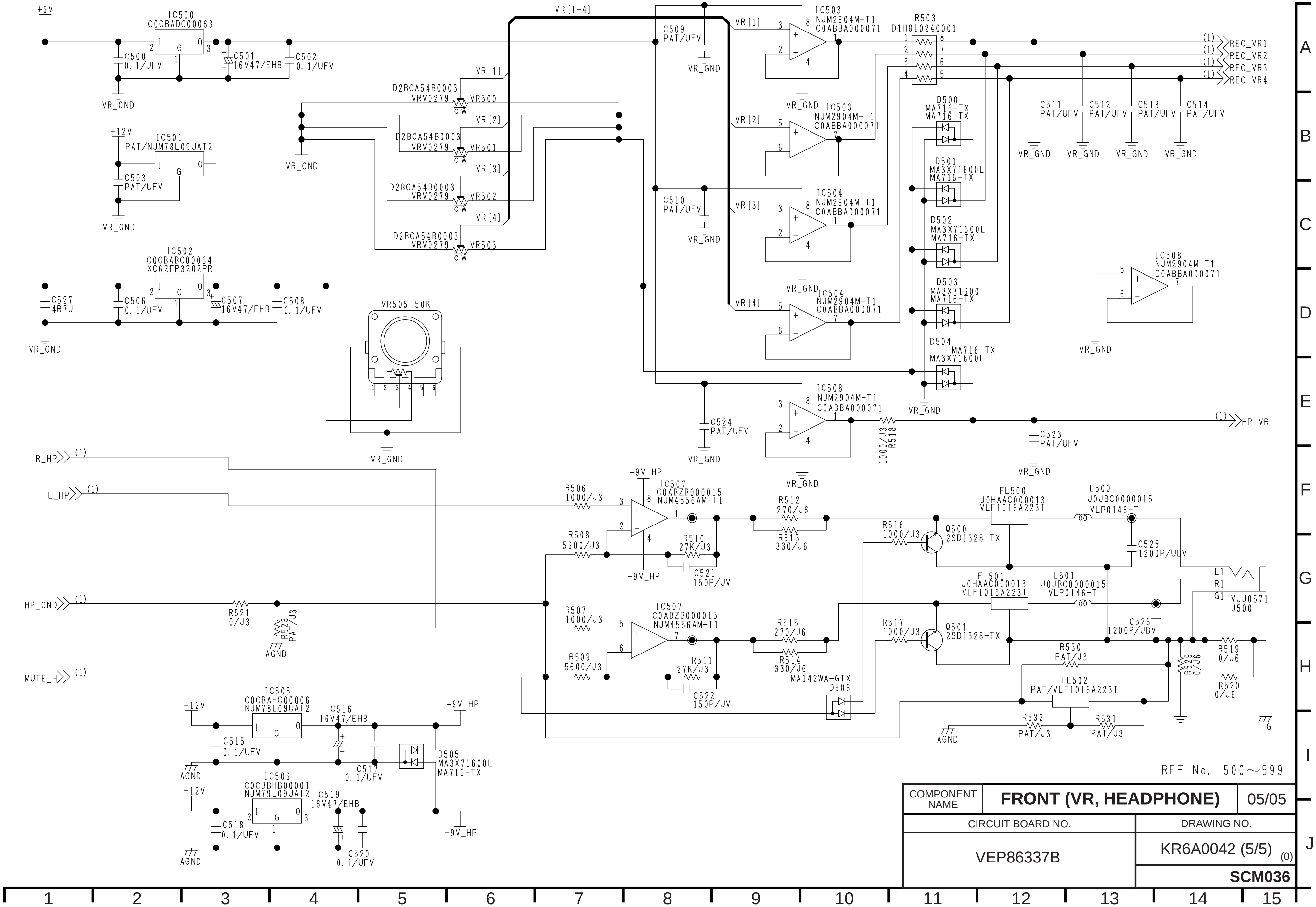
COMPONENT NAME	FRONT (VFD)	04/05
CIRCUIT BOARD NO.	DRAWING NO.	
VEP86337B	KR6A0042 (4/5) (0)	
	SCM035	


+6V
IC500
C0CBADC00063
C500
0.1/UFV
C501
16V47/EHB
C502
0.1/UFV
VR_GND
+12V
IC501
PAT/NJM78L09UAT2
C503
PAT/UFV
IC502
C0CBABC00064
XC62FP3202PR
C527
4R7U
C506
0.1/UFV
C507
16V47/EHB
C508
0.1/UFV
VR[1-4]
VR[1]
VR[2]
VR[3]
VR[4]
D2BCA54B0003
VRV0279
VR500
VR501
VR502
VR503
CW
VR505 50K
C509
PAT/UFV
C510
PAT/UFV
IC503
NJM2904M-T1
C0ABBA000071
IC504
NJM2904M-T1
C0ABBA000071
R503
D1H810240001
D500
MA716-TX
D501
MA3X71600L
MA716-TX
D502
MA3X71600L
MA716-TX
D503
MA3X71600L
MA716-TX
D504
MA716-TX
MA3X71600L
REC_VR1
REC_VR2
REC_VR3
REC_VR4
C511
PAT/UFV
C512
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C513
PAT/UFV
C514
PAT/UFV
IC508
NJM2904M-T1
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C524
PAT/UFV
R518
1000/J3
C523
PAT/UFV
HP_VR
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L_HP
HP_GND
MUTE_H
+9V_HP
-9V_HP
IC507
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R506
1000/J3
R507
1000/J3
R508
5600/J3
R509
5600/J3
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R511
27K/J3
C521
150P/UV
C522
150P/UV
R512
270/J6
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330/J6
R515
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R514
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R516
1000/J3
R517
1000/J3
Q500
2SD1328-TX
Q501
2SD1328-TX
FL500
J0HAAC000013
VLF1016A223T
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J0HAAC000013
VLF1016A223T
L500
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VLP0146-T
L501
J0JBC0000015
VLP0146-T
C525
1200P/UBV
C526
1200P/UBV
L1
R1
G1
VJJ0571
J500
R521
0/J3
R528
PAT/J3
AGND
R530
PAT/J3
R529
0/J6
R519
0/J6
R520
0/J6
FG
FL502
PAT/VLF1016A223T
R532
PAT/J3
R531
PAT/J3
MA142WA-GTX
D506
IC505
C0CBAHC00006
NJM78L09UAT2
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C516
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C517
0.1/UFV
D505
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MA716-TX
-12V
IC506
C0CBBHB00001
NJM79L09UAT2
C518
0.1/UFV
C519
16V47/EHB
C520
0.1/UFV
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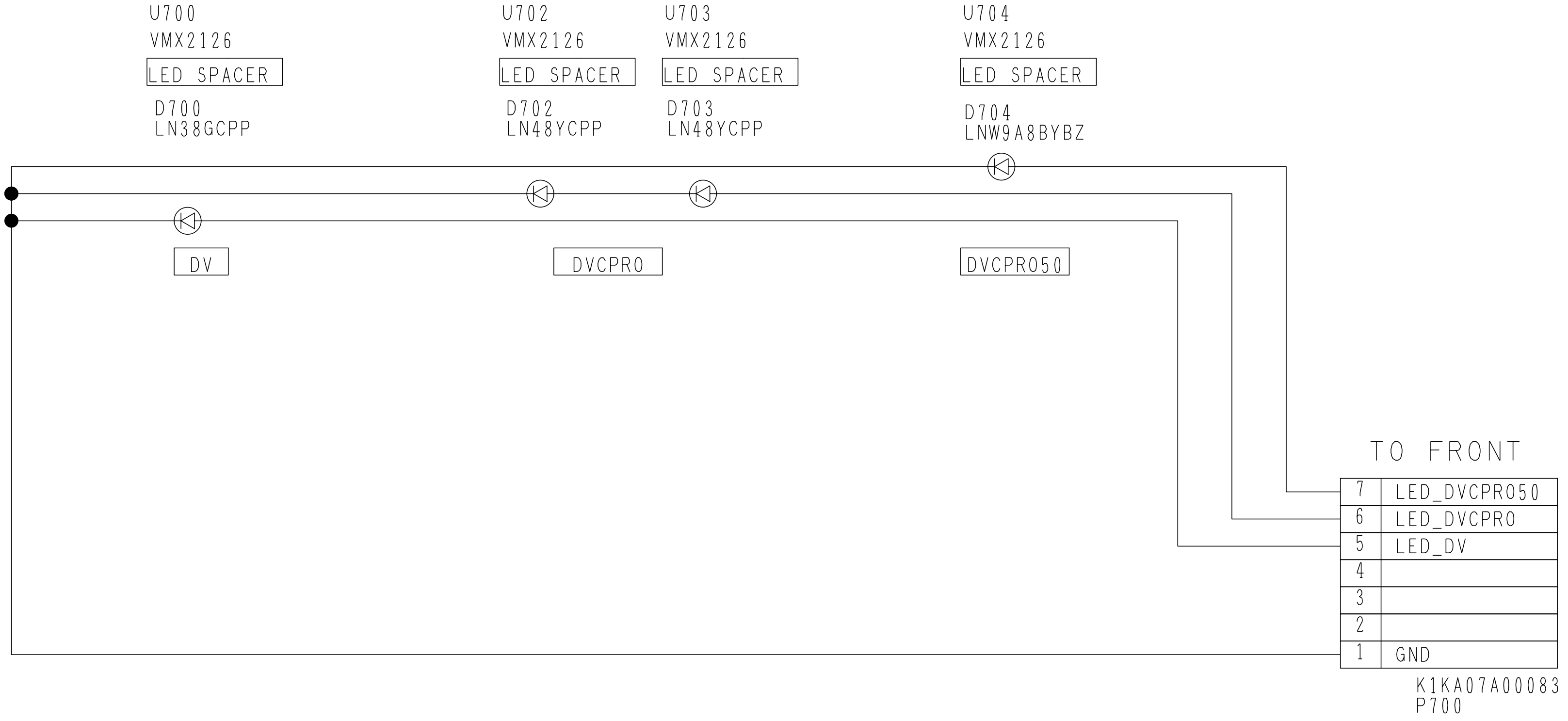
REF No. 500〜599

COMPONENT NAME	**FRONT (VR, HEADPHONE)**	05/05

CIRCUIT BOARD NO.	DRAWING NO.
VEP86337B	KR6A0042 (5/5) (0)
	SCM036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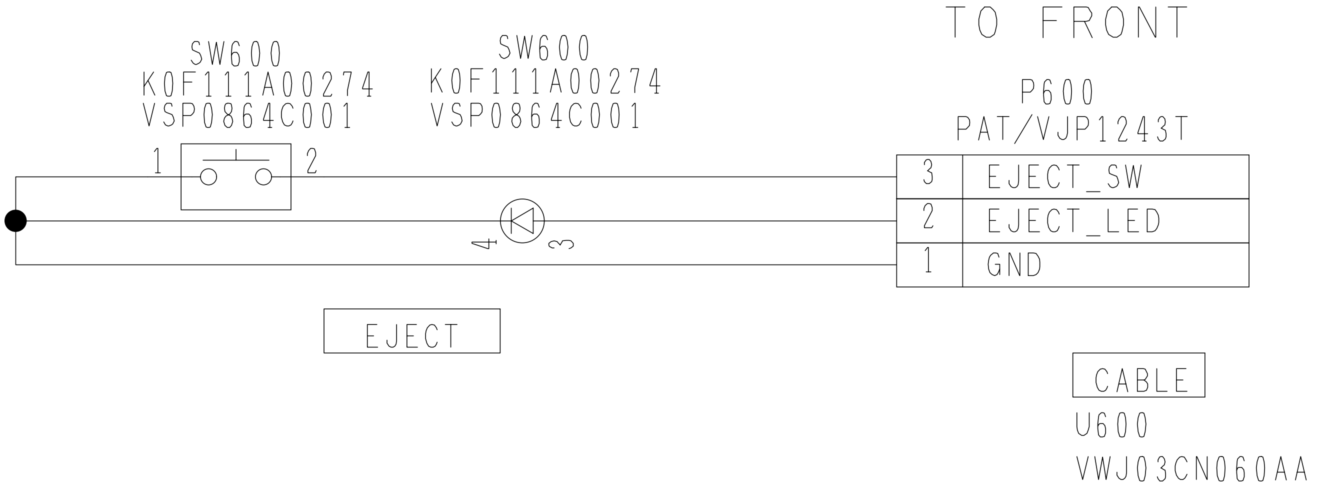
VMX2126
LED SPACER
D700
LN38GCPP
U702
VMX2126
LED SPACER
D702
LN48YCPP
U703
VMX2126
LED SPACER
D703
LN48YCPP
U704
VMX2126
LED SPACER
D704
LNW9A8BYBZ
DV
DVCPRO
DVCPRO50
TO FRONT
7 LED_DVCPRO50
6 LED_DVCPRO
5 LED_DV
4
3
2
1 GND
K1KA07A00083
P700

COMPONENT NAME	**FRONT SUB**	01/01
CIRCUIT BOARD NO.	DRAWING NO.	
VEP80C79A	KR0A0065 (1/1) (0)	
	SCM037	


TO FRONT
SW600
K0F111A00274
VSP0864C001
SW600
K0F111A00274
VSP0864C001
1
2
4
3
P600
PAT/VJP1243T
3
EJECT_SW
2
EJECT_LED
1
GND
EJECT
CABLE
U600
VWJ03CN060AA

COMPONENT NAME	**EJECT**	01/01
CIRCUIT BOARD NO.	DRAWING NO.	
VEP80C78A	KR0A0064 (1/1) (0)	
	SCM038	

SECTION 5

EXPLODED VIEWS
&
REPLACEMENT PARTS LIST

Note:

1. *Be sure to make your orders of replacement parts according to this list.
2. Unless otherwise specified, all resistors are in OHMS, K=1,000 OHMS, all capacitors are in MICROFARADS (μF), P=μμF.
3. The P.C. Board unit marked with "■" shown below the main assembled parts.
4. The parts marked with Ⓔ on the exploded view show the electric parts.
5. IMPORTANT SAFETY NOTICE
   Components identified with the mark ⚠ have the special characteristics for safety. When replacing any of these components, use only the same type.
6. The marking (RTL) indicates the retention time is limited for this item.
   After the discontinuation of this assembly in production, it will no longer be available.
7. "M" in Remark column indicates needed in the periodical maintenance.

CONTENTS

COMPARISON between AJ-SD930P, SD955AP and AJ-SD930BP, SD955BP PRT-1

Mechanical Replacement Parts...PRT-1

Electrical Replacement Parts PRT-3

COMPARISON between AJ-SD930E, D930MC, SD955AE, D955MC and

AJ-SD930BE, D930BMC, SD955BE, D955BMC PRT-6

Mechanical Replacement Parts...PRT-6

Electrical Replacement Parts PRT-8

ELECTRICAL REPLACEMENT PARTS LIST PRT-13

COMPARISON between AJ-SD930P, SD955AP and AJ-SD930BP, SD955BP

Mechanical Replacement Parts

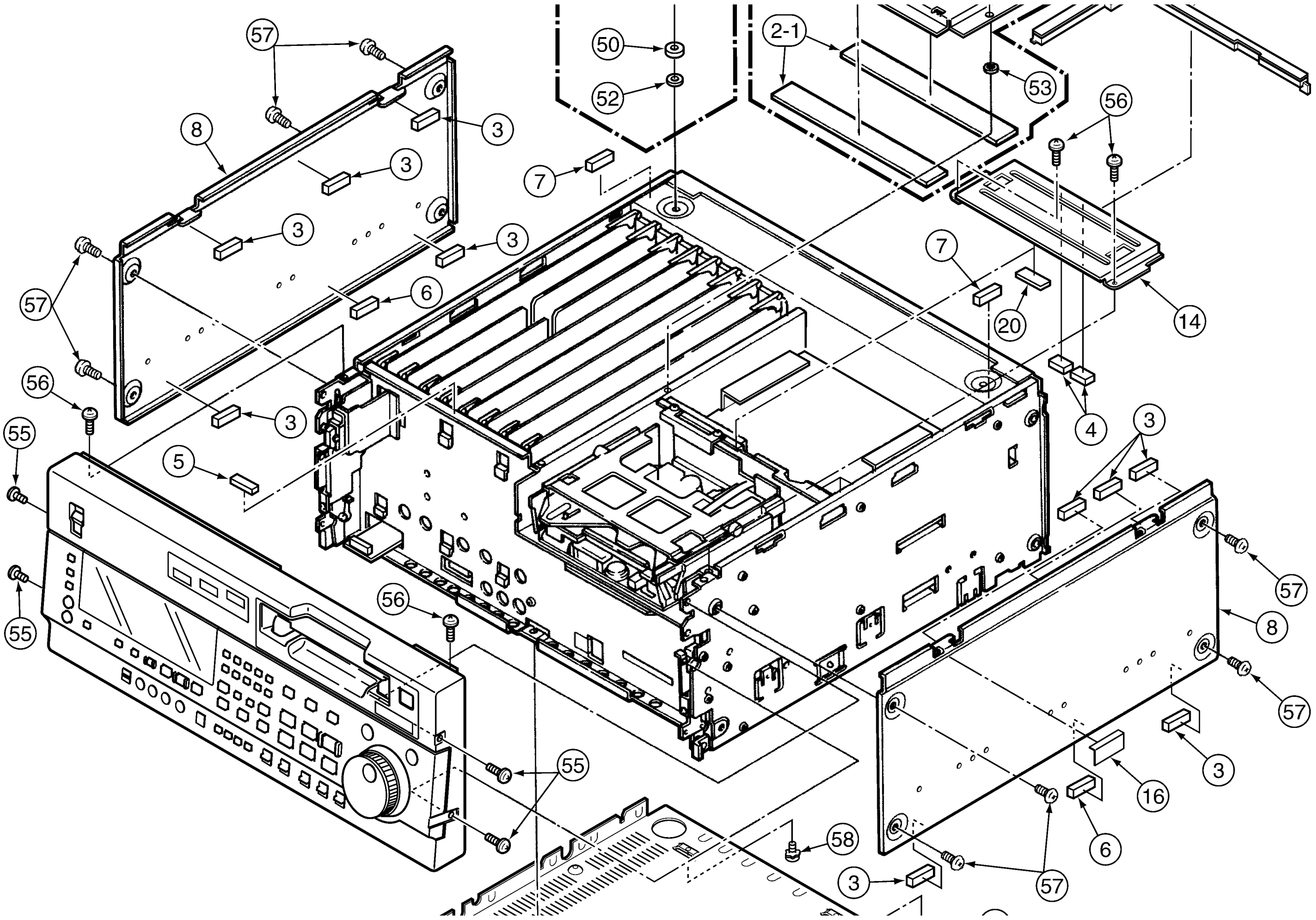
Components identified with the mark ⚠ have the special characterisitics for safety.
When replacing any of these components, use onlly the same type.

Ref. No.	Parts Name & Description	AJ-SD930P AJ-SD955AP (Based Model)	AJ-SD930BP AJ-SD955BP (New Model)	Remarks
		Parts No.	Parts No	
	MECHANICAL CHASSIS ASSEMBLY (2)			
15	TENSION REG. SPRING HOOK	VXA5791C	VXA7703C	Page PRT-5
37	TENSION REG. GUIDE ARM	VXL2838	VXL3251C	
	SUB CHASSIS ASSEMBLY			
28	CONNECTION ANGLE	-----------	VMA0S56	(1) Page PRT-7
40	SCREW	-----------	XTV3+6F	(2)
	CASING PARTS ASSEMBLY			
1	TOP PANEL	VYP7585	VYP7626	Page PRT-11
2	P.C.B. PLATE ASS'Y	VXA7463	VXA7809	
2-1	P.C.B. RUBBER CUSHION L	VMT1222	VMT0493	
3	GASKET	-----------	VMT0873	(10)
4	GASKET F	-----------	VMT0776	(2)
6	GASKET	-----------	VMT0779	(2)
7	GASKET	-----------	VMT1201	(2)
20	GASKET C	-----------	VMT0797	(1)
54	SCREW	XYN3+K8	XYN3+J8	
	FRONT PANEL ASSEMBLY			
1	FRONT PANEL (1) ASS'Y	VYP8606	VYP8867	FOR AJ-SD930BP Page PRT-13
1	FRONT PANEL (1) ASS'Y	VYP8607	VYP8869	FOR AJ-SD955BP
1-4	PUSH BUTTON S	VGU9190	←	(6→7)
1-5	PUSH BUTTON	VGQ3176	←	(8→9)
1-6	KEY BUTTON COIL SPRING	VMB2597	←	(8→9)
4	BLINDER SPRING	VMB2923	VMB3417	FOR AJ-SD930BP
6	SUPPORT ANGLE (LOWER	VMP7299	VMP7532	FOR AJ-SD930BP
7	CASSETTE GUIDE ASS'Y	VYQ2511	VYQ2809	
21	FRONT EARTH ANGLE	VSC5451	VSC5459	FOR AJ-SD930BP
22	FRONT ANGLE SHEET (A)	VGF0949	-----------	
23	FRONT ANGLE SHEET (B)	VGF0950	-----------	
24	FRONT ANGLE SHEET (C)	VGF0951	-----------	
	PACKING PARTS ASSEMBLY			
⚠ 4	OPERATING INSTRUCTIONS	VQT9955	VQT0F41	Page PRT-19

Note:

*The page number in the **“Remakes”** column is based on the original service manual.

CASING PARTS ASSEMBLY



57
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52
2-1
53
56
8
3
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7
3
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7
20
14
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55
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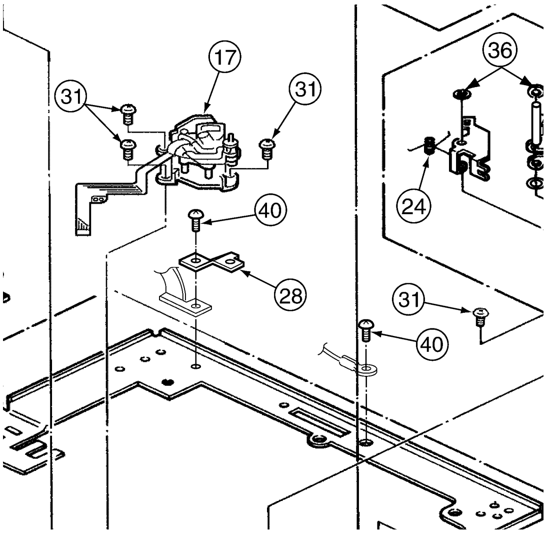
SUB CHASSIS ASSEMBLY



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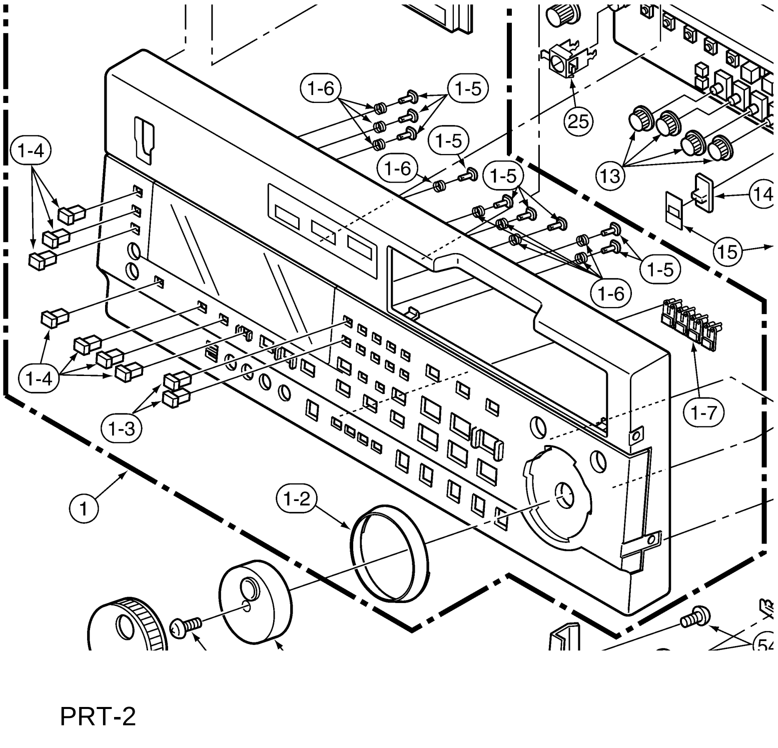
FRONT PANEL ASSEMBLY



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Electrical Replacement Parts

Ref. No.	Parts Name & Description	AJ-SD930P AJ-SD955AP (Based Model) Parts No.	AJ-SD930BP AJ-SD955BP (New Model) Parts No	Remarks
■ E1	F1: AUDIO P.C.BOARD	VEP84383A	VEP84383B	Page PRT-22, 60
C4113	CAPACITOR	-----------	ECA1CHG471	
C4213	CAPACITOR	-----------	ECA1CHG471	
C4830	CAPACITOR	-----------	ECJ1VF1E104Z	
C4831	CAPACITOR	-----------	ECJ1VF1E104Z	
IC4820	IC	-----------	C0FBBG000033	
IC4821	IC	-----------	C0FBBG000033	
R4820, 21	RESISTOR	ERJ3RBD123	-----------	Page PRT-26, 64
R4822, 23	RESISTOR	ERJ3RBD302	-----------	
R4827	RESISTOR	-----------	ERJ3GEY0R00	
R4829	RESISTOR	-----------	ERJ3GEY0R00	
■ E2	F2B: A PROC P.C.BOARD	VEP84384A	VEP84384C	Page PRT-22, 60
ID4351	SOFTWARE	VVVSI3878A	VVVSI4204	Page PRT-27, 65
■ E3	F3A: SDI P.C.BOARD	VEP83605A	VEP83605B	Page PRT-22, 60
C3521	CAPACITOR	ECUX1E104ZFV	-----------	Page PRT-28, 66
C3522	CAPACITOR	-----------	ECJ1VF1E104Z	
IC3505	IC	UPD6456T611Y	-----------	
IC3511	IC	-----------	C1AB00001890	
ID3503	SOFTWARE	VVVSI3855	VVVSI4113	
R3532	RESISTOR	-----------	ERJ3GEYJ103	
■ E4	F4: REC PB P.C.BOARD	VEP83596B	VEP83629B	FOR AJ-SD930BP Page PRT-22
■ E4	F4: REC PB P.C.BOARD	VEP83596C	VEP83629C	FOR AJ-SD955BP Page PRT-66
■ E5	F5: V OUT P.C.BOARD	VEP83597B	VEP83597E	FOR AJ-SD930BP Page PRT-22
ID3880	SOFTWARE	VVVSI3928	VVVSI4116	Page PRT-34
R3081, 82	RESISTOR	ERJ3GEY0R00	-----------	Page PRT-35
R3083, 84	RESISTOR	-----------	ERJ3GEY0R00	
R3250	RESISTOR	ERJ3GEYJ123	ERJ3GEYJ122	
R3252	RESISTOR	ERJ3GEYJ331	ERJ3GEYJ681	
R3253	RESISTOR	ERJ3GEYJ681	ERJ3GEYJ121	
R3254	RESISTOR	ERJ3GEYJ331	ERJ3GEYJ681	
R3255	RESISTOR	ERJ3GEYJ681	ERJ3GEYJ121	
R3256	RESISTOR	ERJ3GEYJ331	ERJ3GEYJ681	
R3260, 61	RESISTOR	ERJ3GEYJ121	ERJ3GEYJ561	
■ E5	F5: V OUT P.C.BOARD	VEP83597C	VEP83597F	FOR AJ-SD955BP Page PRT-66
ID3880	SOFTWARE	VVVSI3941	VVVSI4116	Page PRT-72
R3250	RESISTOR	ERJ3GEYJ123	ERJ3GEYJ122	Page PRT-73
R3252	RESISTOR	ERJ3GEYJ331	ERJ3GEYJ681	

Ref. No.	Parts Name & Description	AJ-SD930P AJ-SD955AP (Based Model)	AJ-SD930BP AJ-SD955BP (New Model)	Remarks
		Parts No.	Parts No	
R3253	RESISTOR	ERJ3GEYJ681	ERJ3GEYJ121	Page PRT-73
R3254	RESISTOR	ERJ3GEYJ331	ERJ3GEYJ681	
R3255	RESISTOR	ERJ3GEYJ681	ERJ3GEYJ121	
R3256	RESISTOR	ERJ3GEYJ331	ERJ3GEYJ681	
R3260, 61	RESISTOR	ERJ3GEYJ121	ERJ3GEYJ561	
■ E6	F6: SYSCON P.C.BOARD	VEP86326B	VEP86326E	FOR AJ-SD930BP Page PRT-22
C406	CAPACITOR	ECUX1E104ZFV	-----------	Page PRT-37
C408	CAPACITOR	-----------	ECJ1VF1E104Z	
IC406	IC	UPD6456T611Y	-----------	
IC408	IC	-----------	C1AB00001890	
IC703	IC	S80727ANDQ	C0EBE0000232	
ID200	SOFTWARE	VVVSI3930C	VVVSI4123A	
ID700	SOFTWARE	VVVSI3929	VVVSI4121B	
ID1300	SOFTWARE	VVVSI3931	VVVSI4117	
R230	RESISTOR	ERJ3GEYJ103	-----------	Page PRT-38
■ E6	F6: SYSCON P.C.BOARD	VEP86326C	VEP86326G	FOR AJ-SD955BP Page PRT-66
C406	CAPACITOR	ECUX1E104ZFV	-----------	Page PRT-75
C408	CAPACITOR	-----------	ECJ1VF1E104Z	
IC406	IC	UPD6456T611Y	-----------	
IC408	IC	-----------	C1AB00001890	
IC703	IC	S80727ANDQ	C0EBE0000232	
ID200	SOFTWARE	VVVSI3943B	VVVSI4123	
ID700	SOFTWARE	VVVSI3942	VVVSI4121	
ID1300	SOFTWARE	VVVSI3931	VVVSI4117	
R230	RESISTOR	ERJ3GEYJ103	-----------	Page PRT-76
R441	RESISTOR	-----------	ERJ3GEYJ103	
■ E7	F7: SERVO P.C.BOARD	VEP82246B	VEP82246D	FOR AJ-SD930BP Page PRT-22
ID201	SOFTWARE	VVVSI3932	VVVSI4125	Page PRT-41
■ E7	F7: SERVO P.C.BOARD	VEP82246C	VEP82246D	FOR AJ-SD955BP Page PRT-66
ID201	SOFTWARE	VVVSI3944	VVVSI4125	Page PRT-79
■ E8	F8: RF EQ P.C.BOARD	VEP85207A	VEP85207C	Page PRT-22, 66
C5929	CAPACITOR	-----------	F1L1E4750006	
C5932	CAPACITOR	EEVHB1C470P	F1L1A4760003	Page PRT-44, 82
C5934	CAPACITOR	EEFCD1C4R7R	EEFCD0J470R	
C5935	CAPACITOR	EEVHB1C470P	-----------	
C5936	CAPACITOR	-----------	F1L1E4750006	
C5939	CAPACITOR	EEVHB1C470P	F1L1A4760003	
C5941	CAPACITOR	EEFCD1C4R7R	EEFCD0J470R	
C5942	CAPACITOR	EEVHB1C470P	-----------	
C5943	CAPACITOR	-----------	F1L1E4750006	
C5946	CAPACITOR	EEVHB1C470P	F1L1A4760003	
C5949	CAPACITOR	EEVHB1C470P	-----------	
C5950	CAPACITOR	-----------	F1L1E4750006	
C5953	CAPACITOR	EEVHB1C470P	F1L1A4760003	
C5956	CAPACITOR	EEVHB1C470P	-----------	

Ref. No.	Parts Name & Description	AJ-SD930P AJ-SD955AP (Based Model)	AJ-SD930BP AJ-SD955BP (New Model)	Remarks
		Parts No.	Parts No	
R5307	RESISTOR	ERJ3RBD221	ERJ3RBD181	Page PRT-46, 84
R5308	RESISTOR	ERJ3RBD121	ERJ3RBD101	
R5507	RESISTOR	ERJ3RBD221	ERJ3RBD181	Page PRT-47, 85
R5508	RESISTOR	ERJ3RBD121	ERJ3RBD101	
R6307	RESISTOR	ERJ3RBD181	ERJ3RBD151	Page PRT-48, 86
R6308	RESISTOR	ERJ3RBD121	ERJ3RBD101	
R6507	RESISTOR	ERJ3RBD181	ERJ3RBD151	Page PRT-49, 87
R6508	RESISTOR	ERJ3RBD121	ERJ3RBD101	
■ E9	RF CUE P.C.BOARD	VEP85208A	VEP85208B	Page PRT-22, 66
C5016-18	CAPACITOR	EEVHB1C470P	F1L1A4760003	Page PRT-51, 89
C5902	CAPACITOR	-----------	F1L1E4750006	
C5905	CAPACITOR	EEVHB1C470P	F1K1C475A043	
C5906	CAPACITOR	-----------	F1L1E4750006	
C5910	CAPACITOR	EEVHB1C470P	F1K1C475A043	
C5922	CAPACITOR	EEVHB1C470P	F1K1C475A043	
C5923	CAPACITOR	-----------	F1L1E4750006	
C5925	CAPACITOR	-----------	F1L1E4750006	
C5928	CAPACITOR	EEVHB1C470P	F1K1C475A043	
■ E16	FRONT P.C.BOARD	VEP86327A	VEP86337A	FOR AJ-SD930BP Page PRT-22
■ E16	FRONT P.C.BOARD	VEP86327B	VEP86337B	FOR AJ-SD955BP Page PRT-66
■ E17	FRONT SUB P.C.BOARD	VEP80C43A	VEP80C79A	Page PRT-22, 66
■ E18	EJECT P.C.BOARD	VEP80C42A	VEP80C78A	Page PRT-22, 66

Note:

1. The page number in the **“Remakes”** column is based on the original service manual.
2. The software data for ID4351 (VVVSI4204), ID3503 (VVVSI4113), ID3880 (VVVSI4116), ID200 (VVVSI4123A), ID700 (VVVSI4121B), ID1300 (VVVSI4117), ID200 (VVVSI4123), ID700 (VVVSI4121) and ID201 (VVVSI4125) should be downloaded from the web site.

COMPARISON between AJ-SD930E, D930MC, SD955AE, D955MC and AJ-SD930BE, D930BMC, SD955BE, D955BMC

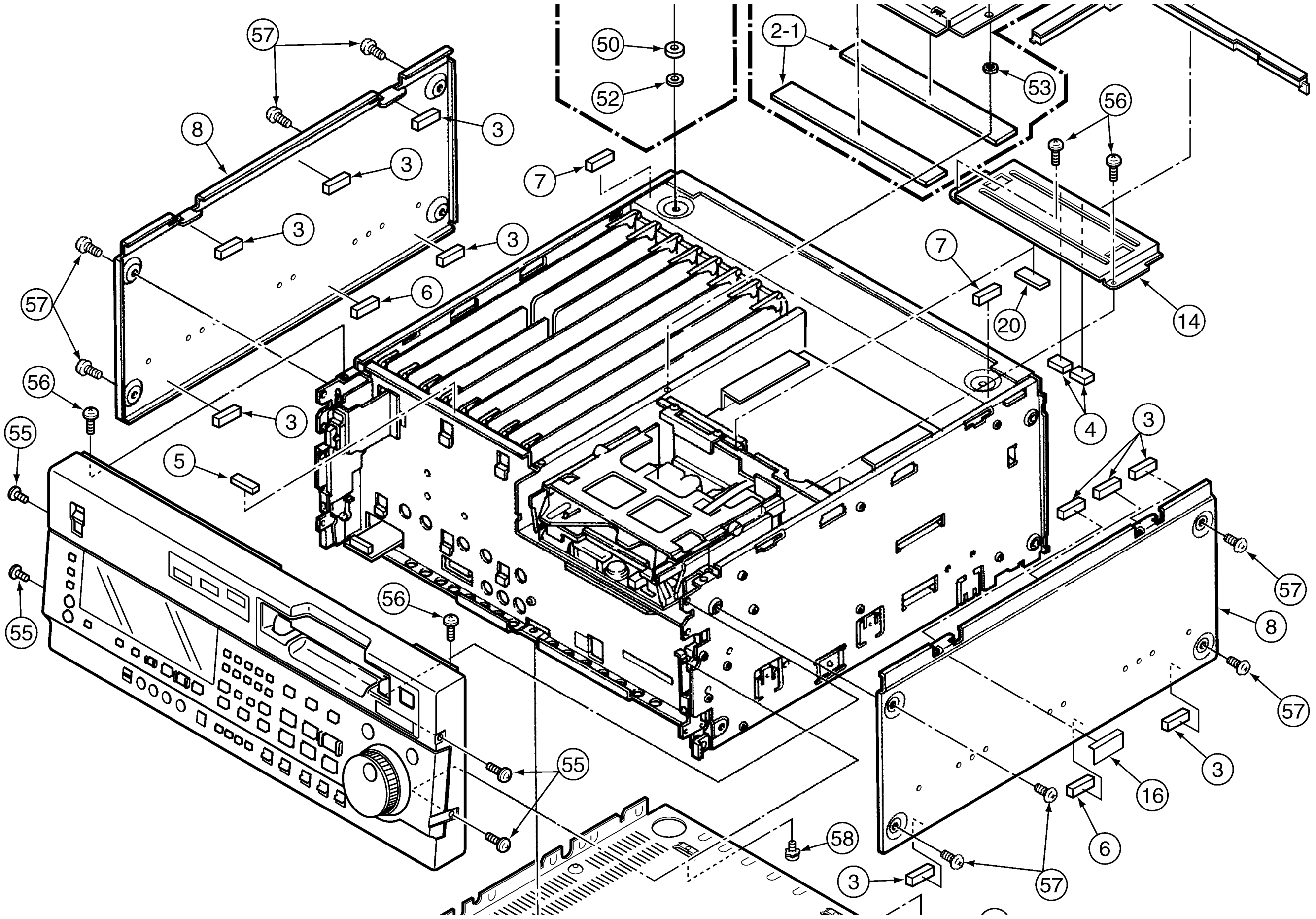
Mechanical Replacement Parts

Components identified with the mark ⚠ have the special characterisitics for safety.
When replacing any of these components, use onlly the same type.

Ref. No.	Parts Name & Description	AJ-SD930E AJ-D930MC AJ-SD955AE AJ-D955MC (Based Model)	AJ-SD930BE AJ-D930BMC AJ-SD955BE AJ-D955BMC (New Model)	Remarks
		Parts No.	Parts No	
	MECHANICAL CHASSIS ASSEMBLY (2)			
15	TENSION REG. SPRING HOOK	VXA5791C	VXA7703C	Page PRT-5
37	TENSION REG. GUIDE ARM	VXL2838	VXL3251C	
	SUB CHASSIS ASSEMBLY			
28	CONNECTION ANGLE	-----------	VMA0S56	(1) Page PRT-7
40	SCREW	-----------	XTV3+6F	(2)
	CASING PARTS ASSEMBLY			
2	P.C.B. PLATE ASS'Y	VXA7463	VXA7809	Page PRT-11
2-1	P.C.B. RUBBER CUSHION L	VMT1222	VMT0493	
6	GASKET	-----------	VMT0779	(2)
7	GASKET	-----------	VMT1201	(2)
54	SCREW	XYN3+K8	XYN3+J8	
	FRONT PANEL ASSEMBLY			
1	FRONT PANEL (1) ASS'Y	VYP8606	VYP8867	FOR AJ-SD930BE Page PRT-13
1	FRONT PANEL (1) ASS'Y	VYP8650	VYP8868	FOR AJ-D930BMC
1	FRONT PANEL (1) ASS'Y	VYP8607	VYP8869	FOR AJ-SD955BE
1	FRONT PANEL (1) ASS'Y	VYP8651	VYP8870	FOR AJ-D955BMC
1-4	PUSH BUTTON S	VGU9190	←	(6→7)
1-5	PUSH BUTTON	VGQ3176	←	(8→9)
1-6	KEY BUTTON COIL SPRING	VMB2597	←	(8→9)
6	SUPPORT ANGLE (LOWER)	VMP7299	VMP7532	
7	CASSETTE GUIDE ASS'Y	VYQ2511	VYQ2809	
18	GASKET	VMT0800	←	(5→7)
21	FRONT EARTH ANGLE	VSC5451	VSC5459	
22	FRONT ANGLE SHEET (A)	VGF0949	-----------	
23	FRONT ANGLE SHEET (B)	VGF0950	-----------	
24	FRONT ANGLE SHEET (C)	VGF0951	-----------	
	PACKING PARTS ASSEMBLY			
⚠ 1	POWER CODE	VJA1147	VJA1166	FOR AJ-D930BMC,D955BMC Page PRT-19
⚠ 4	OPERATING INSTRUCTIONS	VQT9956	VQT0F43	FOR AJ-SD930BE,SD955BE
⚠ 4	OPERATING INSTRUCTIONS	VQT9957	VQT0F45	FOR AJ-D930BMC,D955BMC
12	PACKING LABEL	VQL9820	-----------	FOR AJ-D930BMC,D955BMC
14	OPERATING INSTRUCTIONS	VYQ2500	VYQ2848	FOR AJ-SD930BE,SD955BE
15	PACKING CASE	VPG0R10	VPG0V42	FOR AJ-D930BMC
15	PACKING CASE	VPG0R10	VPG0V43	FOR AJ-D955BMC

Note:
*The page number in the **“Remakes”** column is based on the original service manual.

CASING PARTS ASSEMBLY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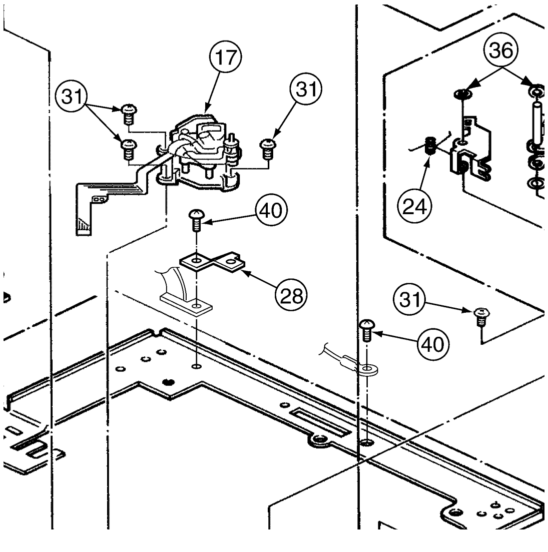
SUB CHASSIS ASSEMBLY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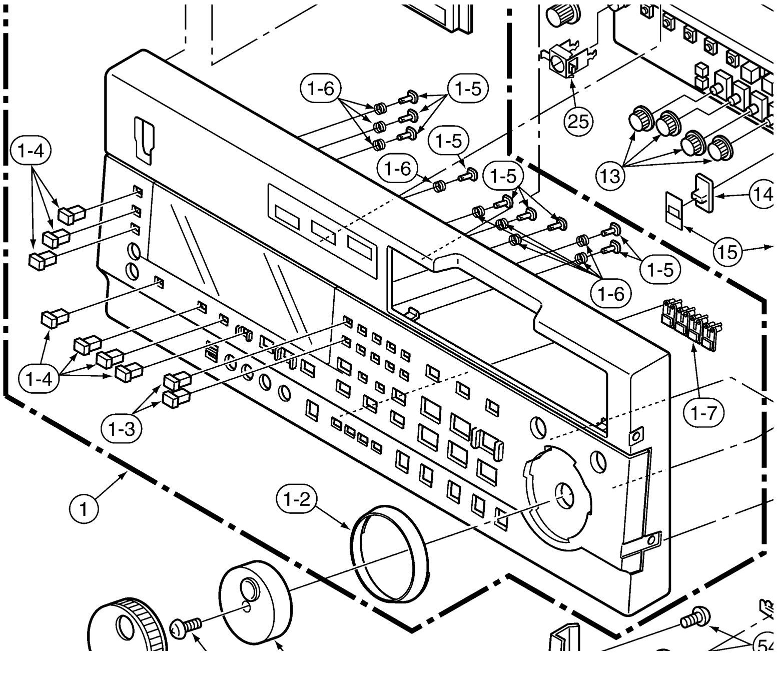
FRONT PANEL ASSEMBLY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Electrical Replacement Parts

Ref. No.	Parts Name & Description	AJ-SD930E AJ-D930MC AJ-SD955AE AJ-D955MC (Based Model)	AJ-SD930BE AJ-D930BMC AJ-SD955BE AJ-D955BMC (New Model)	Remarks
		Parts No.	Parts No	
■ E1	F1: AUDIO P.C.BOARD	VEP84383A	VEP84383B	Page PRT-22, 60
C4113	CAPACITOR	-----------	ECA1CHG471	
C4213	CAPACITOR	-----------	ECA1CHG471	
C4830	CAPACITOR	-----------	ECJ1VF1E104Z	
C4831	CAPACITOR	-----------	ECJ1VF1E104Z	
IC4820	IC	-----------	C0FBBG000033	
IC4821	IC	-----------	C0FBBG000033	
R4820, 21	RESISTOR	ERJ3RBD123	-----------	Page PRT-26, 64
R4822, 23	RESISTOR	ERJ3RBD302	-----------	
R4827	RESISTOR	-----------	ERJ3GEY0R00	
R4829	RESISTOR	-----------	ERJ3GEY0R00	
■ E2	F2B: A PROC P.C.BOARD	VEP84384A	VEP84384C	Page PRT-22, 60
ID4351	SOFTWARE	VVVSI3878A	VVVSI4204	Page PRT-27, 65
■ E3	F3A: SDI P.C.BOARD	VEP83605A	VEP83605B	Page PRT-22, 60
C3521	CAPACITOR	ECUX1E104ZFV	-----------	Page PRT-28, 66
C3522	CAPACITOR	-----------	ECJ1VF1E104Z	
IC3505	IC	UPD6456T611Y	-----------	
IC3511	IC	-----------	C1AB00001890	
ID3503	SOFTWARE	VVVSI3855	VVVSI4113	
R3532	RESISTOR	-----------	ERJ3GEYJ103	
■ E4	F4: REC PB P.C.BOARD	VEP83596A	VEP83629A	FOR AJ-SD930BE/ D930BMC Page PRT-22
■ E4	F4: REC PB P.C.BOARD	VEP83596A	VEP83629C	FOR AJ-SD955BE/ D955BMC Page PRT-60
■ E5	F5: V OUT P.C.BOARD	VEP83597A	VEP83597D	FOR AJ-SD930BE/ D930BMC Page PRT-22
ID3010	SOFTWARE	VVVSI3880B	VVVSI4116	Page PRT-34
R3250	RESISTOR	ERJ3GEYJ123	ERJ3GEYJ122	Page PRT-35
R3252	RESISTOR	ERJ3GEYJ331	ERJ3GEYJ681	
R3253	RESISTOR	ERJ3GEYJ681	ERJ3GEYJ121	
R3254	RESISTOR	ERJ3GEYJ331	ERJ3GEYJ681	
R3255	RESISTOR	ERJ3GEYJ681	ERJ3GEYJ121	
R3256	RESISTOR	ERJ3GEYJ331	ERJ3GEYJ681	
R3260, 61	RESISTOR	ERJ3GEYJ121	ERJ3GEYJ561	
R3716	RESISTOR	ERJ3GEYJ123	D0GB123JA002	Page PRT-36

Ref. No.	Parts Name & Description	AJ-SD930E AJ-D930MC AJ-SD955AE AJ-D955MC (Based Model)	AJ-SD930BE AJ-D930BMC AJ-SD955BE AJ-D955BMC (New Model)	Remarks
		Parts No.	Parts No	
■ E5	F5: V OUT P.C.BOARD	VEP83597A	VEP83597F	FOR AJ-SD955BE/ D955BMC Page PRT-60
C3221	CAPACITOR	-----------	F1H1H104A783	
C3317	CAPACITOR	ECUX1H270JCV	ECUX1H390JCV	Page PRT-71
C3417	CAPACITOR	-----------	ECJ1VF1E104Z	
C3418	CAPACITOR	-----------	ECJ1VF1E104Z	
C3420	CAPACITOR	-----------	ECJ1VF1E104Z	
C3616	CAPACITOR	-----------	ECJ1VC1H330J	
C3626	CAPACITOR	-----------	ECJ1VC1H390J	
C3632	CAPACITOR	-----------	ECJ1VF1E104Z	
C3728	CAPACITOR	-----------	ECJ1VF1E104Z	
C3730	CAPACITOR	-----------	ECUX1H102JCV	
C3734	CAPACITOR	-----------	ECJ1VF1E104Z	
C3738	CAPACITOR	-----------	ECUX1H470JCV	
C3740	CAPACITOR	-----------	ECUX1H470JCV	
C3743	CAPACITOR	-----------	ECJ1VB1H103K	
C3746	CAPACITOR	-----------	ECJ1VF1E104Z	
C3748	CAPACITOR	-----------	ECJ1VF1E104Z	
C3750	CAPACITOR	-----------	ECJ1VF1E104Z	
D3700	DIODE	-----------	MA142K	
D3702	DIODE	-----------	MA335-R	
IC3403	IC	-----------	C0ABEB000035	
IC3602	IC	-----------	C0JBAZ001713	
IC3604	IC	-----------	C0JBAR000111	
IC3708	IC	-----------	C0JBAR000111	
IC3709	IC	-----------	C0BBZB000002	
IC3711	IC	-----------	C0JBAZ001713	
ID3010	SOFTWARE	VVVSI3880B	-----------	Page PRT-72
ID3880	SOFTWARE	-----------	VVVSI4116	
L3602	COIL	VLQ0163J390	VLQ0163J680	
L3603	COIL	-----------	VLQ0163J390	
Q3409	TRANSISTOR	-----------	2SB0709A0L	
Q3411	TRANSISTOR	-----------	2SD601A	
Q3412	TRANSISTOR	-----------	2SD601A	
Q3413	TRANSISTOR	-----------	2SB0709A0L	
Q3701	TRANSISTOR	-----------	2SK608	
Q3703	TRANSISTOR	-----------	2SK608	
QR3200	TRANSISTOR	-----------	UNR521300L	
R3220	RESISTOR	-----------	ERJ3RBD272	
R3221	RESISTOR	-----------	ERJ3GEY0R00	
R3250	RESISTOR	ERJ3GEYJ123	ERJ3GEYJ122	Page PRT-73
R3252	RESISTOR	ERJ3GEYJ331	ERJ3GEYJ681	
R3253	RESISTOR	ERJ3GEYJ681	ERJ3GEYJ121	
R3254	RESISTOR	ERJ3GEYJ331	ERJ3GEYJ681	
R3255	RESISTOR	ERJ3GEYJ681	ERJ3GEYJ121	
R3256	RESISTOR	ERJ3GEYJ331	ERJ3GEYJ681	
R3260, 61	RESISTOR	ERJ3GEYJ121	ERJ3GEYJ561	
R3305	RESISTOR	ERJ3GEYJ122	ERJ3GEYJ682	
R3416	RESISTOR	-----------	ERJ3GEYJ103	
R3417	RESISTOR	-----------	ERJ3GEYJ103	
R3422	RESISTOR	-----------	ERJ3GEYJ682	
R3423	RESISTOR	-----------	ERJ3GEYG102	
R3429	RESISTOR	-----------	ERJ3GEYG102	
R3430	RESISTOR	-----------	ERJ3GEYJ222	
R3435	RESISTOR	-----------	ERJ3GEYJ152	
R3436	RESISTOR	-----------	ERJ3GEYJ272	
R3438	RESISTOR	-----------	ERJ3GEYJ272	
R3441	RESISTOR	-----------	ERJ3GEYG102	
R3442	RESISTOR	-----------	ERJ3RED680	
R3443	RESISTOR	-----------	ERJ3RBD151	

Ref. No.	Parts Name & Description	AJ-SD930E AJ-D930MC AJ-SD955AE AJ-D955MC (Based Model)	AJ-SD930BE AJ-D930BMC AJ-SD955BE AJ-D955BMC (New Model)	Remarks
		Parts No.	Parts No	
R3445	RESISTOR	ERJ3GEY0R00	ERJ3RBD821	Page PRT-73
R3608	RESISTOR	ERJ3GEY0R00	-----------	
R3615	RESISTOR	-----------	ERJ3GEYJ103	
R3616	RESISTOR	ERJ3GEY0R00	-----------	Page PRT-74
R3714	RESISTOR	-----------	ERJ3GEYG102	
R3716	RESISTOR	ERJ3GEYJ123	D0GB123JA002	
R3717	RESISTOR	-----------	ERJ3GEYJ473	
R3720	RESISTOR	ERJ3GEYJ104	ERJ3GEYJ683	
R3721	RESISTOR	-----------	ERJ3GEYJ822	
R3722	RESISTOR	-----------	ERJ3GEYJ153	
R3730	RESISTOR	-----------	ERJ3GEYJ473	
R3731	RESISTOR	-----------	ERJ3GEYJ473	
R3734	RESISTOR	-----------	ERJ3GEYJ332	
R3737	RESISTOR	-----------	ERJ3GEYJ332	
R3740	RESISTOR	-----------	ERJ3GEYG102	
R3742	RESISTOR	ERJ3GEY0R00	-----------	
R3746	RESISTOR	-----------	ERJ3GEYJ823	
R3747	RESISTOR	-----------	ERJ3GEYJ682	
R3753	RESISTOR	-----------	ERJ3GEY0R00	
R3754	RESISTOR	-----------	ERJ3GEY0R00	
R3760	RESISTOR	ERJ3GEY0R00	-----------	
TP3700	TEST POINT	-----------	EYF6CU	
VR3601	V.RESISTOR	-----------	EVMEGSA00B14	
VR3701	V.RESISTOR	-----------	EVMEGSA00B14	
X3700	CRYSTAL OSCILLATOR	-----------	H0D177500007	
X3701	CRYSTAL OSCILLATOR	H0D177500007	H0D143500030	
■ E6	F6: SYSCON P.C.BOARD	VEP86326A	VEP86326D	FOR AJ-SD930BE/ D930BMC Page PRT-22
C406	CAPACITOR	ECUX1E104ZFV	-----------	Page PRT-36
C408	CAPACITOR	-----------	ECJ1VF1E104Z	
IC406	IC	UPD6456T611Y	-----------	Page PRT-37
IC408	IC	-----------	C1AB00001890	
IC703	IC	S80727ANDQ	C0EBE0000232	
ID200	SOFTWARE	VVVSI3883A	VVVSI4123A	
ID700	SOFTWARE	VVVSI3884A	VVVSI4121B	
ID1300	SOFTWARE	VVVSI3885A	VVVSI4117	
R230	RESISTOR	ERJ3GEYJ103	-----------	
R441	RESISTOR	-----------	ERJ3GEYJ103	
R1018	RESISTOR	ERJ3GEYJ103	ERJ3GEYJ103	Page PRT-38
R1051	RESISTOR	ERJ3GEYJ103	ERJ3GEYJ103	
■ E6	F6: SYSCON P.C.BOARD	VEP86326A	VEP86326F	FOR AJ-SD955BE/ D955BMC Page PRT-60
C406	CAPACITOR	ECUX1E104ZFV	-----------	Page PRT-74
C408	CAPACITOR	-----------	ECJ1VF1E104Z	
IC406	IC	UPD6456T611Y	-----------	Page PRT-75
IC408	IC	-----------	C1AB00001890	
IC703	IC	S80727ANDQ	C0EBE0000232	
ID200	SOFTWARE	VVVSI3883A	VVVSI4123A	
ID700	SOFTWARE	VVVSI3884A	VVVSI4121B	
ID1300	SOFTWARE	VVVSI3885A	VVVSI4117	
R230	RESISTOR	ERJ3GEYJ103	-----------	
R441	RESISTOR	-----------	ERJ3GEYJ103	
R1018	RESISTOR	ERJ3GEYJ103	ERJ3GEYJ103	Page PRT-76
R1051	RESISTOR	ERJ3GEYJ103	ERJ3GEYJ103	

Ref. No.	Parts Name & Description	AJ-SD930E AJ-D930MC AJ-SD955AE AJ-D955MC (Based Model)	AJ-SD930BE AJ-D930BMC AJ-SD955BE AJ-D955BMC (New Model)	Remarks
		Parts No.	Parts No	
■ E7	F7: SERVO P.C.BOARD	VEP82246A	VEP82246D	Page PRT-22, 60
C202	CAPACITOR	ECUX1H120JCV	ECJ1VC1H220J	Page PRT-39
C203	CAPACITOR	ECUX1H150JCV	ECJ1VC1H220J	
ID201	SOFTWARE	VVVSI3887A	VVVSI4125	Page PRT-40
R684	RESISTOR	ERJ6GEYG271	D0GD681JA003	Page PRT-43
■ E8	F8: RF EQ P.C.BOARD	VEP85207A	VEP85207C	Page PRT-22, 60
C5929	CAPACITOR	-----------	F1L1E4750006	
C5932	CAPACITOR	EEVHB1C470P	F1L1A4760003	Page PRT-44, 82
C5934	CAPACITOR	EEFCD1C4R7R	EEFCD0J470R	
C5935	CAPACITOR	EEVHB1C470P	-----------	
C5936	CAPACITOR	-----------	F1L1E4750006	
C5939	CAPACITOR	EEVHB1C470P	F1L1A4760003	
C5941	CAPACITOR	EEFCD1C4R7R	EEFCD0J470R	
C5942	CAPACITOR	EEVHB1C470P	-----------	
C5943	CAPACITOR	-----------	F1L1E4750006	
C5946	CAPACITOR	EEVHB1C470P	F1L1A4760003	
C5949	CAPACITOR	EEVHB1C470P	-----------	
C5950	CAPACITOR	-----------	F1L1E4750006	
C5953	CAPACITOR	EEVHB1C470P	F1L1A4760003	
C5956	CAPACITOR	EEVHB1C470P	-----------	
R5307	RESISTOR	ERJ3RBD221	ERJ3RBD181	Page PRT-46, 84
R5308	RESISTOR	ERJ3RBD121	ERJ3RBD101	
R5507	RESISTOR	ERJ3RBD221	ERJ3RBD181	Page PRT-47, 85
R5508	RESISTOR	ERJ3RBD121	ERJ3RBD101	
R6307	RESISTOR	ERJ3RBD181	ERJ3RBD151	Page PRT-48, 86
R6308	RESISTOR	ERJ3RBD121	ERJ3RBD101	
R6507	RESISTOR	ERJ3RBD181	ERJ3RBD151	Page PRT-49, 87
R6508	RESISTOR	ERJ3RBD121	ERJ3RBD101	
■ E9	RF CUE P.C.BOARD	VEP85208A	VEP85208B	Page PRT-22, 60
C5016-18	CAPACITOR	EEVHB1C470P	F1L1A4760003	Page PRT-50, 88
C5902	CAPACITOR	-----------	F1L1E4750006	
C5905	CAPACITOR	EEVHB1C470P	F1K1C475A043	Page PRT-51, 89
C5906	CAPACITOR	-----------	F1L1E4750006	
C5910	CAPACITOR	EEVHB1C470P	F1K1C475A043	
C5922	CAPACITOR	EEVHB1C470P	F1K1C475A043	
C5923	CAPACITOR	-----------	F1L1E4750006	
C5925	CAPACITOR	-----------	F1L1E4750006	
C5928	CAPACITOR	EEVHB1C470P	F1K1C475A043	
■ E16	FRONT P.C.BOARD	VEP86327A	VEP86337A	FOR AJ-SD930BE/ D930BMC Page PRT-22
■ E16	FRONT P.C.BOARD	VEP86327B	VEP86337B	FOR AJ-SD955BE/ D955BMC Page PRT-60
■ E17	FRONT SUB P.C.BOARD	VEP80C43A	VEP80C79A	Page PRT-22, 60

Ref. No.	Parts Name & Description	AJ-SD930E AJ-D930MC AJ-SD955AE AJ-D955MC (Based Model)	AJ-SD930BE AJ-D930BMC AJ-SD955BE AJ-D955BMC (New Model)	Remarks
		Parts No.	Parts No	
■ E18	EJECT P.C.BOARD	VEP80C42A	VEP80C78A	Page PRT-22, 60

Note:

1. The page number in the **“Remakes”** column is based on the original service manual.
2. The software data for ID4351 (VVVSI4204), ID3503 (VVVSI4113), ID3010 (VVVSI4116), ID3880 (VVVSI4116), ID200 (VVVSI4123A), ID700 (VVVSI4121B), ID1300 (VVVSI4117) and ID201 (VVVSI4125) should be downloaded from the web site.

ELECTRICAL REPLACEMENT PARTS LIST

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
■ E4	VEP83629A	F4 REC PB P.C.BOARD	1	(RTL)FOR AJ-SD930BE/D930BMC
■ E4	VEP83629B	F4 REC PB P.C.BOARD	1	(RTL)FOR AJ-SD930BP
■ E4	VEP83629C	F4 REC PB P.C.BOARD	1	(RTL)FOR AJ-SD955BP/BE/D955BMC
■ E16	VEP86337A	FRONT P.C.BOARD	1	(RTL)FOR AJ-SD930BP/BE/D930BMC
■ E16	VEP86337B	FRONT P.C.BOARD	1	(RTL)FOR AJ-SD955BP/BE/D955BMC
■ E17	VEP80C79A	FRONT SUB P.C.BOARD	1	(RTL)
■ E18	VEP80C78A	EJECT P.C.BOARD	1	(RTL)
■ E4	VEP83629A	F4 REC PB P.C.BOARD	1	(RTL)FOR AJ-SD930BE/D930BMC
C3010	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C3011	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3012	EEFCD0J470R	E.CAPACITOR 6.3V 47U	1	
C3013-17	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	5	
C3018	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3019	EEFCD0J470R	E.CAPACITOR 6.3V 47U	1	
C3020	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3021-25	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	5	
C3026,27	EEVHB1C100	E.CAPACITOR 16V 10U	2	
C3028-30	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	3	
C3031	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3032-40	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	9	
C3041-44	EEVHB0J470	E.CAPACITOR 6.3V 47U	4	
C3045,46	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C3047,48	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	2	
C3050	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C3051,52	EEVHB1C100	E.CAPACITOR 16V 10U	2	
C3053,54	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C3056	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	1	
C3057	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C3058,59	EEVHB1C100	E.CAPACITOR 16V 10U	2	
C3060	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3061-64	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	4	
C3065	EEVHP1E3R3	E.CAPACITOR 25V 3.3U	1	
C3066	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C3068	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3069,70	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C3071	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3072	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C3073	ECUX1C224KBN	C.CAPACITOR CH 16V 0.22U	1	
C3074	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	1	F1K1C105A026
C3075	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C3076	ECUX1C224KBN	C.CAPACITOR CH 16V 0.22U	1	
C3077	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C3079	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	1	
C3080-93	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	14	
C3150	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C3151-70	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	20	
C3171	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3172	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C3173	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3174	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C3210-17	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	8	
C3218	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C3219	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C3240	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C3241	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C3242-44	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	3	
C3260-74	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	15	
C3275	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C3276	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C3277	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3278	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C3279	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3280,81	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C3290-93	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	4	
C3300-03	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	4	
C3304	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C3305	ECUX1H050CCV	C.CAPACITOR CH 50V 5P	1	
C3307	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C3308	ECUX1H050CCV	C.CAPACITOR CH 50V 5P	1	
C3309-24	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	16	
C3325	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3326	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C3350-62	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	13	
C3363	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C3364-68	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	5	
C3369	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3370	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C3371	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3372,73	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C3380-85	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	6	
C3450-57	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	8	
C3458	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C3460-71	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	12	
C3472	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3473-75	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	3	
C3500	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C3501-12	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	12	
C3611	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C3612-15	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	4	
C3640	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C3641	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C3642-44	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	3	
C3670-72	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	3	
C3673-75	EEVHB1C470P	E.CAPACITOR 16V 47U	3	
C3676	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	1	
C3677	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C3678	EEVHP1E3R3	E.CAPACITOR 25V 3.3U	1	
C3679	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C3680-82	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	3	
C3700-02	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	3	
C3703,04	EEVHB1C470P	E.CAPACITOR 16V 47U	2	
C3705,06	ECUX1H050CCV	C.CAPACITOR CH 50V 5P	2	
C3707	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C3708,09	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	2	
C3710,11	ECUX1H020CCV	C.CAPACITOR CH 50V 2P	2	
C3712	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C3713	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C3714	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C3715	ECUX1H680JCV	C.CAPACITOR CH 50V 68P	1	
C3716	EEVHB1C100	E.CAPACITOR 16V 10U	1	
C3717	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C3718	ECUX1H020CCV	C.CAPACITOR CH 50V 2P	1	
C3719,20	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C3721	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C3722	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C3723	ECUX1H680JCV	C.CAPACITOR CH 50V 68P	1	
C3724,25	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C3750	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C3752-54	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	3	
C3770-74	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	5	
C3801-03	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	3	
C3808-11	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	4	
C3812	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C3841	ECUX1H120JCV	C.CAPACITOR CH 50V 12P	1	
C3842	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C3843	ECUX1H120JCV	C.CAPACITOR CH 50V 12P	1	
C3845	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	
C3846	ECUX1H221JCV	C.CAPACITOR CH 50V 220P	1	
C3847-56	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	10	
C3857	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C3858,59	ECUX1E273KBV	C.CAPACITOR CH 25V 0.027U	2	
C3860	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C3951-59	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	9	
C4000	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C4003	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C4005	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C4006	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C4100-10	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	11	
C4111	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C4112-21	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	10	
C4122	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	1	
C4123	ECUX1C224KBN	C.CAPACITOR CH 16V 0.22U	1	
C4124	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C4125	ECUX1C106KBP	C.CAPACITOR CH 16V 10U	1	
C4126	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	1	
C4150-54	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	5	
C4200-13	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	14	
C4214	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C4215-24	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	10	
C4225	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	1	
C4226	ECUX1C224KBN	C.CAPACITOR CH 16V 0.22U	1	
C4227	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C4228	ECUX1C106KBP	C.CAPACITOR CH 16V 10U	1	
C4229	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	1	
C4250-54	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	5	
C4301	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C4302	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	1	
C4304	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C4306	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C4307	ECUX1C224KBN	C.CAPACITOR CH 16V 0.22U	1	
C4308,09	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C4310	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	
D3010	MA716	DIODE	1	
D3052,53	MA3J14300L	DIODE	2	
D3670	MA3J14300L	DIODE	1	
D3700	MA3J14300L	DIODE	1	
D4302,03	MA3J14300L	DIODE	2	
FL3700	VLF1462	FILTER	1	
IC3010	LT1086CM	IC	1	C0CBAYG00001
IC3011	C0CBAAB00021	IC	1	
IC3012	NJM78L09UA	IC	1	C0CBAHC00002
IC3013	C0JBAZ001121	IC	1	
IC3014	C0JBAZ001003	IC	1	
IC3015	NJM79L09UA	IC	1	C0CABBF00001
IC3018	XC62FP3202P	IC	1	
IC3019	C0CBADC00063	IC	1	
IC3020	C0CBBDB00004	IC	1	
IC3050	C0JBAZ001437	IC	1	
IC3051,52	C0ABEB000023	IC	2	
IC3053	TLC2933IPW	IC	1	C0ABFA000012
IC3054	C0JBAF000224	IC	1	
IC3055	BH7086KV	IC	1	C1ZBZ0001649
IC3056	C0JBAB000422	IC	1	
IC3057	C0JBAB000350	IC	1	
IC3058	C0JBAB000422	IC	1	
IC3059	C0JBAB000350	IC	1	
IC3060	TLCX257FT	IC	1	
IC3061	C0JBAZ001728	IC	1	
IC3062	C0JBAZ000851	IC	1	
IC3063	TLCX257FT	IC	1	
IC3064-66	C0JBAZ001728	IC	3	
IC3067	C0JBAB000553	IC	1	
IC3150	C0JBAZ001121	IC	1	
IC3151	C1ZBZ0001836	IC	1	
IC3152	MS51V8221-3G	IC	1	
IC3153	C0JBAF000223	VHC	1	
IC3154	C0JBAZ001121	IC	1	
IC3210	MN673797A	IC	1	
IC3211	C0JBAZ001121	IC	1	
IC3240	T220E7202AF1	IC	1	
IC3260	C1ZBZ0002123	IC	1	
IC3261	C0JBAE000238	IC	1	
IC3290-93	MS51V8221-3G	IC	4	
IC3300	MN7F008B4C	IC	1	
IC3301	C3ABQG000045	IC	1	
IC3302	C0JBAB000397	IC	1	
IC3303,04	C0JBAZ000851	IC	2	
IC3350	C1ZBZ0001836	IC	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
IC3351	DS90LV047AC	IC	1	
IC3352	C0JBAZ001121	IC	1	
IC3353	C0JBAZ001728	IC	1	
IC3380,81	DS90LV048AC	IC	2	
IC3382-85	C0JBAZ000851	IC	4	
IC3450	MN7F008B4C	IC	1	
IC3451,52	C3ABQG000045	IC	2	
IC3500	TLCX257FT	IC	1	
IC3501	MN673797A	IC	1	
IC3502	C0JBAR000368	IC	1	
IC3503,04	C0JBAZ001121	IC	2	
IC3610	UPD65943G028	IC	1	
IC3640	T220E7202AF1	IC	1	
IC3670	C0JBAZ001437	IC	1	
IC3674	C0ABEB000023	IC	1	
IC3676	TC7W241FU	IC	1	
IC3704	TC4W53FU	IC	1	
IC3705	LT1228CS8	IC	1	
IC3706	C0FBAD000002	IC	1	
IC3750,51	MS51V8221-3G	IC	2	
IC3752,53	C0JBAF000414	IC	2	
IC3770-74	C0JBAZ001121	IC	5	
IC3801,02	C0JBAZ001121	IC	2	
IC3803	C0JBAZ001137	IC	1	
IC3842	TC7W241FU	IC	1	
IC3951	C0JBAZ001137	IC	1	
IC3952,53	C0JBAA000174	IC	2	
IC3955	TC7W241FU	IC	1	
IC3956	C0JBAZ001003	IC	1	
IC3959	C0JBAB000350	IC	1	
IC4000	C0EBE0000209	IC	1	
IC4001	C0CBAAD00023	IC	1	
IC4101	C3ABQG000045	IC	1	
IC4150	T160G70-1601	IC	1	
IC4201	C3ABQG000045	IC	1	
IC4202-04	C0JBAZ001728	IC	3	
IC4250	T160G70-1601	IC	1	
IC4300	C0JBAZ001437	IC	1	
IC4301	C0ABEB000023	IC	1	
IC4302	TLC2932IPW	IC	1	
IC4303	C0JBAZ000852	IC	1	
ID0	VVVSI4114	SOFTWARE	1	DOWNLOAD ONLY
ID3841	VVVSI4118A	SOFTWARE	1	DOWNLOAD ONLY
IP3016,17	C1ZBZ0001555	IC	2	
IP3841	C2GBC0000084	MICRO CONTROLLER	1	
IP4100	VSI4128A	IC	1	
IP4200	VSI4128A	IC	1	
L3010,11	VLF1151A132	COIL	2	
L3050-56	VLQ0319K470	COIL 47UH	7	G1C470K00013
L3150,51	VLQ0319K470	COIL 47UH	2	G1C470K00013
L3260,61	VLQ0319K470	COIL 47UH	2	G1C470K00013
L3300	VLQ0319K470	COIL 47UH	1	G1C470K00013
L3350,51	VLQ0319K470	COIL 47UH	2	G1C470K00013
L3450	VLQ0319K470	COIL 47UH	1	G1C470K00013
L3670-72	VLQ0319K470	COIL 47UH	3	G1C470K00013
L3700-03	VLQ0319K470	COIL 47UH	4	G1C470K00013
L3704,05	VLQ0163J390	COIL 39UH	2	
L3706,07	VLQ0163J150	COIL 15UH	2	
L3708	VLQ0319K470	COIL 47UH	1	G1C470K00013
L3841	VLQ0319K470	COIL 47UH	1	G1C470K00013
L4100-02	J0JKC0000009	FILTER	3	
L4103	VLQ0319K470	COIL 47UH	1	G1C470K00013
L4150	J0JKC0000009	FILTER	1	
L4200-02	J0JKC0000009	FILTER	3	
L4203	VLQ0319K470	COIL 47UH	1	G1C470K00013
L4250	J0JKC0000009	FILTER	1	
L4300,01	VLQ0319K470	COIL 47UH	2	G1C470K00013
P3001,02	K1KA96B00032	CONNECTOR (MALE)	2	
P3010	K1KA08B00147	CONNECTOR (FEMALE)	1	
P3841	K1KA10A00303	CONNECTOR (MALE)	1	
P3951	VJS3791B020	CONNECTOR (FEMALE)	1	

Components identified with the mark ⚠ have the special characterisitics for safety.
When replacing any of these components, use onlly the same type.

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
P4200	VJP3125B012	CONNECTOR (MALE)	1	
Q3700	2SB0709ALL	TRANSISTOR	1	
Q3701	2SA1532-B	TRANSISTOR	1	
Q3702	2SB0709ALL	TRANSISTOR	1	
⚠ Q4000	HAT1033T	TRANSISTOR	1	
QR4000	UNR521400L	TRANSISTOR-RESISTOR	1	
R3011	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3012	EXBV8V102J	COMBI.R-R 1K	1	
R3013,14	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3015	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3016,17	EXBV8V102J	COMBI.R-R 1K	2	
R3018,19	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3020	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3021	D0GZ103J0001	M.RESISTOR CH 10K	1	
R3022	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3024-26	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R3028	EXBV8V102J	COMBI.R-R 1K	1	
R3029,30	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R3031	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3034	ERJ3RBD101	M.RESISTOR CH 1/16W 100	1	
R3035	ERJ3RED470	M.RESISTOR CH 1/16W 47	1	
R3050	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3053	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3054	ERJ3GEYJ243	M.RESISTOR CH 1/16W 24K	1	
R3055	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R3056	ERJ3RBD113	M.RESISTOR CH 1/16W 11K	1	
R3057	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R3058	ERJ3GEYJ183	M.RESISTOR CH 1/16W 18K	1	
R3060	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3061	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R3062,63	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	2	
R3064	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3066	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R3067	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R3068	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R3069	ERJ3GEYJ183	M.RESISTOR CH 1/16W 18K	1	
R3070,71	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R3072	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R3073	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R3075	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3076	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3077	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3078	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3079	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3080	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R3081	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R3082	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3083-85	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	3	
R3086,87	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	2	
R3088	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3089	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3090	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3091-93	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	3	
R3094-96	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	3	
R3099-10	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	12	
R3111	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3112	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3113,14	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R3115	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3116	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R3118-20	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	3	
R3122	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3150	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R3151	EXBV8V473J	COMBI.R-R 47K	1	
R3152	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3153	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3154	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3155,56	EXBV8V473J	COMBI.R-R 47K	2	
R3157	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3158	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3160	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3161	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R3162	EXBV8V473J	COMBI.R-R 47K	1	
R3163,64	D1H84704A008	COMBI.R-R 47	2	
R3165,66	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3168	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3169	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3171-73	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R3178,79	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3210	EXBV8V473J	COMBI.R-R 47K	1	
R3212	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3213	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3215,16	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	2	
R3217,18	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3219-24	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	6	D0GB103JA002
R3225,26	EXBV8V101J	COMBI.R-R 100	2	
R3227,28	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R3229,30	EXBV8V102J	COMBI.R-R 1K	2	
R3240-44	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	5	
R3245	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3246-48	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R3261	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3262	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3263	EXBV8V102J	COMBI.R-R 1K	1	
R3264	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3265	EXBV8V102J	COMBI.R-R 1K	1	
R3266	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3268	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3270	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3272	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3276,77	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3279	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3282,83	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3290-93	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	4	
R3300,01	EXBV8V102J	COMBI.R-R 1K	2	
R3302	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3303	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3304	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R3305	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3307	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3308	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R3310	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3311	ERJ3GEYJ561	M.RESISTOR CH 1/16W 560	1	
R3312	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3313-15	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	3	
R3316,17	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3319-21	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	3	
R3323	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3350-55	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	6	
R3356	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3357-60	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	4	
R3361	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3362-67	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	6	
R3368	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3371,72	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3373	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3374	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3375	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3377-79	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R3383,84	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3385-92	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	8	
R3393,94	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R3395-02	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	8	
R3403,04	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R3409-12	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	4	
R3425	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3426-31	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	6	
R3452-55	D0GZ103J0001	M.RESISTOR CH 10K	4	
R3456	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3457	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3458	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R3459	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3460	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3461-64	ERJ3GEYJ203	M.RESISTOR CH 1/16W 20K	4	
R3465-67	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	D0GB103JA002
R3468	ERJ3GEYJ203	M.RESISTOR CH 1/16W 20K	1	
R3469,70	EXBV8V102J	COMBI.R-R 1K	2	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R3471-74	ERJ3GEYJ203	M.RESISTOR CH 1/16W 20K	4	
R3475-77	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	D0GB103JA002
R3478-82	ERJ3GEYJ203	M.RESISTOR CH 1/16W 20K	5	
R3483-85	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	D0GB103JA002
R3486	ERJ3GEYJ203	M.RESISTOR CH 1/16W 20K	1	
R3490-92	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R3500	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3501	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3502-05	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	4	D0GB103JA002
R3506	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3507,08	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	2	
R3509,10	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R3511,12	EXBV8V101J	COMBI.R-R 100	2	
R3513	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3514,15	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R3516	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3517,18	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R3519,20	D1H84704A008	COMBI.R-R 47	2	
R3521	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3523	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3610	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3611	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3613	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R3614	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3641-43	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R3645-47	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R3648	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3649,50	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3652-56	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	5	
R3670	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R3671	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R3672,73	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	2	
R3674	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R3675	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R3676	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3677	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3679	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3700	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3701,02	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	2	
R3705,06	ERJ3RBD681	M.RESISTOR CH 1/16W 680	2	
R3707	ERJ3RBD391	M.RESISTOR CH 1/16W 390	1	
R3708	ERJ3RBD361	M.RESISTOR CH 1/16W 360	1	
R3709	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3710	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3711	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R3712	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3713	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R3714	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R3715	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3716,17	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	2	
R3718	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3719	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3720	ERJ3RBD271	M.RESISTOR CH 1/16W 270	1	
R3721	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R3722	ERJ3GEYJ124	M.RESISTOR CH 1/16W 120K	1	
R3724	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R3728	ERJ3RBD392	M.RESISTOR CH 1/16W 3.9K	1	
R3729	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R3730	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3750,51	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R3752,53	D1H84704A008	COMBI.R-R 47	2	
R3754	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3755	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R3756,57	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3770,71	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3772	EXBV8V102J	COMBI.R-R 1K	1	
R3775-78	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	4	
R3779-85	D1H84704A008	COMBI.R-R 47	7	
R3786	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3787-89	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	3	
R3790,91	EXBV8V473J	COMBI.R-R 47K	2	
R3792	EXBV8V102J	COMBI.R-R 1K	1	
R3793	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R3796	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3802	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R3803,04	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R3805	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3809,10	EXBV8V473J	COMBI.R-R 47K	2	
R3815,16	D0GZ220J0001	M.RESISTOR CH 22	2	
R3841	EXBV8V102J	COMBI.R-R 1K	1	
R3842	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3843	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R3844	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3845	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R3846	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3847,48	D0GZ220J0001	M.RESISTOR CH 22	2	
R3849	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3850	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3851	EXBV8V102J	COMBI.R-R 1K	1	
R3852,53	EXBV8V473J	COMBI.R-R 47K	2	
R3854	D0GZ103J0001	M.RESISTOR CH 10K	1	
R3855	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3856	D0GZ220J0001	M.RESISTOR CH 22	1	
R3857	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3858	D1H833040002	COMBI.R-R 33	1	
R3861,62	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3863	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R3866	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3868	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3869	D0GZ220J0001	M.RESISTOR CH 22	1	
R3870	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3871	D1H833040002	COMBI.R-R 33	1	
R3873,74	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2	
R3875-78	ERJ3GEYJ203	M.RESISTOR CH 1/16W 20K	4	
R3879	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3880-82	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	D0GB103JA002
R3883	ERJ3GEYJ203	M.RESISTOR CH 1/16W 20K	1	
R3884-91	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	8	
R3892-95	D0GZ220J0001	M.RESISTOR CH 22	4	
R3897	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3951,52	D1H847240002	COMBI.R-R 4.7K	2	
R3953	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R3954	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3955	D1H84704A008	COMBI.R-R 47	1	
R3956	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3957	EXBV8V102J	COMBI.R-R 1K	1	
R3958,59	D1H847240002	COMBI.R-R 4.7K	2	
R3960	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R3961	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3962	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3963,64	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R3965	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3966	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R3967	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3968,69	D1H84704A008	COMBI.R-R 47	2	
R3970	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R4000	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R4001	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R4002	ERJ3GEYJ151	M.RESISTOR CH 1/16W 150	1	
R4100-02	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	3	
R4105	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R4107,08	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R4109	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R4110	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4111,12	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	2	
R4118	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4201	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R4205	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R4207,08	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R4209	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R4215	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4216,17	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	2	
R4218-20	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	3	
R4222	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R4225-37	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	13	
R4240,41	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	2	
R4300	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R4302	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4303	ERJ3GEYJ183	M.RESISTOR CH 1/16W 18K	1	
R4304,05	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R4306	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R4308	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4309	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R4310	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R4311	ERJ3RBD242	M.RESISTOR CH 1/16W 2.4K	1	
R4313	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R4314-17	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	4	
TG3020-25	EYF6CU	TEST POINT	6	
TP3150,51	EYF6CU	TEST POINT	2	
TP3211,12	EYF6CU	TEST POINT	2	
TP3266	EYF6CU	TEST POINT	1	
TP3323	EYF6CU	TEST POINT	1	
TP3455-59	EYF6CU	TEST POINT	5	
TP3511,12	EYF6CU	TEST POINT	2	
TP3700	EYF6CU	TEST POINT	1	
TP3880,81	EYF6CU	TEST POINT	2	
TP3886	EYF6CU	TEST POINT	1	
VR3700	VRV0113B501	V.RESISTOR 500	1	
VR3701	VRV0113B102	V.RESISTOR 1K	1	D3EC41020001
X3050	VSX0788	CRYSTAL OSCILLATOR	1	H1C2705B0006
X3300	VSX0919	CRYSTAL OSCILLATOR	1	H0J417500001
X3671	VSX0973	CRYSTAL OSCILLATOR	1	H1C1385B0001
X3841	H0J921400004	CRYSTAL OSCILLATOR	1	
		MISCELLANEOUS		
	VML2143	CARD PULLER	1	
	VML2144	CARD PULLER	1	
	C1ZBZ0002330	IC	1	
■ E4	VEP83629B	F4 REC PB P.C.BOARD	1	(RTL)FOR AJ-SD930BP
C3010	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C3011	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3012	EEFCD0J470R	E.CAPACITOR 6.3V 47U	1	
C3013-17	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	5	
C3018	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3019	EEFCD0J470R	E.CAPACITOR 6.3V 47U	1	
C3020	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3021-25	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	5	
C3026,27	EEVHB1C100	E.CAPACITOR 16V 10U	2	
C3028-30	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	3	
C3031	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3032-40	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	9	
C3041-44	EEVHB0J470	E.CAPACITOR 6.3V 47U	4	
C3045,46	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C3047,48	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	2	
C3050	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C3051,52	EEVHB1C100	E.CAPACITOR 16V 10U	2	
C3053,54	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C3056	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	1	
C3057	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C3058,59	EEVHB1C100	E.CAPACITOR 16V 10U	2	
C3060	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3061-64	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	4	
C3065	EEVHP1E3R3	E.CAPACITOR 25V 3.3U	1	
C3066	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C3068	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3069,70	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C3071	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3072	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C3073	ECUX1C224KBN	C.CAPACITOR CH 16V 0.22U	1	
C3074	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	1	F1K1C105A026
C3075	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C3076	ECUX1C224KBN	C.CAPACITOR CH 16V 0.22U	1	
C3077	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C3079	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	1	
C3080-93	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	14	
C3150	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C3151-70	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	20	
C3171	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3172	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C3173	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3174	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C3210-17	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	8	
C3218	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C3219	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C3240	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C3241	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C3242-44	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	3	
C3260-74	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	15	
C3275	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C3276	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C3277	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3278	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C3279	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3280,81	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C3290-93	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	4	
C3300-03	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	4	
C3304	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C3305	ECUX1H050CCV	C.CAPACITOR CH 50V 5P	1	
C3307	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C3308	ECUX1H050CCV	C.CAPACITOR CH 50V 5P	1	
C3309-24	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	16	
C3325	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3326	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C3350-62	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	13	
C3363	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C3364-68	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	5	
C3369	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3370	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C3371	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3372,73	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C3380-85	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	6	
C3450-57	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	8	
C3458	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C3460-71	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	12	
C3472	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3473-75	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	3	
C3500	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C3501-12	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	12	
C3611	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C3612-15	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	4	
C3640	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C3641	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C3642-44	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	3	
C3670-72	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	3	
C3673-75	EEVHB1C470P	E.CAPACITOR 16V 47U	3	
C3676	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	1	
C3677	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C3678	EEVHP1E3R3	E.CAPACITOR 25V 3.3U	1	
C3679	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C3680-82	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	3	
C3700-02	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	3	
C3703,04	EEVHB1C470P	E.CAPACITOR 16V 47U	2	
C3705,06	ECUX1H050CCV	C.CAPACITOR CH 50V 5P	2	
C3707	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C3708,09	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	2	
C3710,11	ECUX1H020CCV	C.CAPACITOR CH 50V 2P	2	
C3712	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C3713	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C3714	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C3715	ECUX1H680JCV	C.CAPACITOR CH 50V 68P	1	
C3716	EEVHB1C100	E.CAPACITOR 16V 10U	1	
C3717	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C3718	ECUX1H020CCV	C.CAPACITOR CH 50V 2P	1	
C3719,20	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C3721	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C3722	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C3723	ECUX1H680JCV	C.CAPACITOR CH 50V 68P	1	
C3724,25	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C3750	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C3752-54	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	3	
C3770-74	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	5	
C3801-03	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	3	
C3808-11	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	4	
C3812	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C3841	ECUX1H120JCV	C.CAPACITOR CH 50V 12P	1	
C3842	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C3843	ECUX1H120JCV	C.CAPACITOR CH 50V 12P	1	
C3845	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	
C3846	ECUX1H221JCV	C.CAPACITOR CH 50V 220P	1	
C3847-56	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	10	
C3857	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C3858,59	ECUX1E273KBV	C.CAPACITOR CH 25V 0.027U	2	
C3860	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C3951-59	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	9	
C4000	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C4003	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C4005	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C4006	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C4100-10	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	11	
C4111	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C4112-21	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	10	
C4122	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	1	
C4123	ECUX1C224KBN	C.CAPACITOR CH 16V 0.22U	1	
C4124	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C4125	ECUX1C106KBP	C.CAPACITOR CH 16V 10U	1	
C4126	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	1	
C4150-54	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	5	
C4200-13	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	14	
C4214	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C4215-24	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	10	
C4225	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	1	
C4226	ECUX1C224KBN	C.CAPACITOR CH 16V 0.22U	1	
C4227	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C4228	ECUX1C106KBP	C.CAPACITOR CH 16V 10U	1	
C4229	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	1	
C4250-54	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	5	
C4301	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C4302	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	1	
C4304	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C4306	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C4307	ECUX1C224KBN	C.CAPACITOR CH 16V 0.22U	1	
C4308,09	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C4310	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	
D3010	MA716	DIODE	1	
D3052,53	MA3J14300L	DIODE	2	
D3670	MA3J14300L	DIODE	1	
D3700	MA3J14300L	DIODE	1	
D4302,03	MA3J14300L	DIODE	2	
FL3700	VLF1462	FILTER	1	
IC3010	LT1086CM	IC	1	C0CBAYG00001
IC3011	C0CBAAB00021	IC	1	
IC3012	NJM78L09UA	IC	1	C0CBAHC00002
IC3013	C0JBAZ001121	IC	1	
IC3014	C0JBAZ001003	IC	1	
IC3015	NJM79L09UA	IC	1	C0CABBF00001
IC3018	XC62FP3202P	IC	1	
IC3019	C0CBADC00063	IC	1	
IC3020	C0CBBDB00004	IC	1	
IC3050	C0JBAZ001437	IC	1	
IC3051,52	C0ABEB000023	IC	2	
IC3053	TLC2933IPW	IC	1	C0ABFA000012
IC3054	C0JBAF000224	IC	1	
IC3055	BH7086KV	IC	1	C1ZBZ0001649
IC3056	C0JBAB000422	IC	1	
IC3057	C0JBAB000350	IC	1	
IC3058	C0JBAB000422	IC	1	
IC3059	C0JBAB000350	IC	1	
IC3060	TLCX257FT	IC	1	
IC3061	C0JBAZ001728	IC	1	
IC3062	C0JBAZ000851	IC	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
IC3063	TLCX257FT	IC	1	
IC3064-66	C0JBAZ001728	IC	3	
IC3067	C0JBAB000553	IC	1	
IC3150	C0JBAZ001121	IC	1	
IC3151	C1ZBZ0001836	IC	1	
IC3152	MS51V8221-3G	IC	1	
IC3153	C0JBAF000223	VHC	1	
IC3154	C0JBAZ001121	IC	1	
IC3210	MN673797A	IC	1	
IC3211	C0JBAZ001121	IC	1	
IC3240	T220E7202AF1	IC	1	
IC3260	C1ZBZ0002123	IC	1	
IC3261	C0JBAE000238	IC	1	
IC3290-93	MS51V8221-3G	IC	4	
IC3300	MN7F008B4C	IC	1	
IC3301	C3ABQG000045	IC	1	
IC3302	C0JBAB000397	IC	1	
IC3303,04	C0JBAZ000851	IC	2	
IC3350	C1ZBZ0001836	IC	1	
IC3351	DS90LV047AC	IC	1	
IC3352	C0JBAZ001121	IC	1	
IC3353	C0JBAZ001728	IC	1	
IC3380,81	DS90LV048AC	IC	2	
IC3382-85	C0JBAZ000851	IC	4	
IC3450	MN7F008B4C	IC	1	
IC3451,52	C3ABQG000045	IC	2	
IC3500	TLCX257FT	IC	1	
IC3501	MN673797A	IC	1	
IC3502	C0JBAR000368	IC	1	
IC3503,04	C0JBAZ001121	IC	2	
IC3610	UPD65943G028	IC	1	
IC3640	T220E7202AF1	IC	1	
IC3670	C0JBAZ001437	IC	1	
IC3674	C0ABEB000023	IC	1	
IC3676	TC7W241FU	IC	1	
IC3704	TC4W53FU	IC	1	
IC3705	LT1228CS8	IC	1	
IC3706	C0FBAD000002	IC	1	
IC3750,51	MS51V8221-3G	IC	2	
IC3752,53	C0JBAF000414	IC	2	
IC3770-74	C0JBAZ001121	IC	5	
IC3801,02	C0JBAZ001121	IC	2	
IC3803	C0JBAZ001137	IC	1	
IC3842	TC7W241FU	IC	1	
IC3951	C0JBAZ001137	IC	1	
IC3952,53	C0JBAA000174	IC	2	
IC3955	TC7W241FU	IC	1	
IC3956	C0JBAZ001003	IC	1	
IC3959	C0JBAB000350	IC	1	
IC4000	C0EBE0000209	IC	1	
IC4001	C0CBAAD00023	IC	1	
IC4101	C3ABQG000045	IC	1	
IC4150	T160G70-1601	IC	1	
IC4201	C3ABQG000045	IC	1	
IC4202-04	C0JBAZ001728	IC	3	
IC4250	T160G70-1601	IC	1	
IC4300	C0JBAZ001437	IC	1	
IC4301	C0ABEB000023	IC	1	
IC4302	TLC2932IPW	IC	1	
IC4303	C0JBAZ000852	IC	1	
ID0	VVVSI4114	SOFTWARE	1	DOWNLOAD ONLY
ID3841	VVVSI4118A	SOFTWARE	1	DOWNLOAD ONLY
IP3016,17	C1ZBZ0001555	IC	2	
IP3841	C2GBC0000084	MICRO CONTROLLER	1	
IP4100	VSI4128A	IC	1	
IP4200	VSI4128A	IC	1	
L3010,11	VLF1151A132	COIL	2	
L3050-56	VLQ0319K470	COIL 47UH	7	G1C470K00013
L3150,51	VLQ0319K470	COIL 47UH	2	G1C470K00013
L3260,61	VLQ0319K470	COIL 47UH	2	G1C470K00013
L3300	VLQ0319K470	COIL 47UH	1	G1C470K00013
L3350,51	VLQ0319K470	COIL 47UH	2	G1C470K00013

Components identified with the mark ⚠ have the special characterisitics for safety.
When replacing any of these components, use onlly the same type.

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
L3450	VLQ0319K470	COIL 47UH	1	G1C470K00013
L3670-72	VLQ0319K470	COIL 47UH	3	G1C470K00013
L3700-03	VLQ0319K470	COIL 47UH	4	G1C470K00013
L3704,05	VLQ0163J390	COIL 39UH	2	
L3706,07	VLQ0163J150	COIL 15UH	2	
L3708	VLQ0319K470	COIL 47UH	1	G1C470K00013
L3841	VLQ0319K470	COIL 47UH	1	G1C470K00013
L4100-02	J0JKC0000009	FILTER	3	
L4103	VLQ0319K470	COIL 47UH	1	G1C470K00013
L4150	J0JKC0000009	FILTER	1	
L4200-02	J0JKC0000009	FILTER	3	
L4203	VLQ0319K470	COIL 47UH	1	G1C470K00013
L4250	J0JKC0000009	FILTER	1	
L4300,01	VLQ0319K470	COIL 47UH	2	G1C470K00013
P3001,02	K1KA96B00032	CONNECTOR (MALE)	2	
P3010	K1KA08B00147	CONNECTOR (FEMALE)	1	
P3841	K1KA10A00303	CONNECTOR (MALE)	1	
P3951	VJS3791B020	CONNECTOR (FEMALE)	1	
P4200	VJP3125B012	CONNECTOR (MALE)	1	
Q3700	2SB0709ALL	TRANSISTOR	1	
Q3701	2SA1532-B	TRANSISTOR	1	
Q3702	2SB0709ALL	TRANSISTOR	1	
⚠ Q4000	HAT1033T	TRANSISTOR	1	
QR4000	UNR521400L	TRANSISTOR-RESISTOR	1	
R3011	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3012	EXBV8V102J	COMBI.R-R 1K	1	
R3013,14	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3015	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3016,17	EXBV8V102J	COMBI.R-R 1K	2	
R3018,19	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3020	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3021	D0GZ103J0001	M.RESISTOR CH 10K	1	
R3022	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3024-26	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R3028	EXBV8V102J	COMBI.R-R 1K	1	
R3029,30	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R3031	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3034	ERJ3RBD101	M.RESISTOR CH 1/16W 100	1	
R3035	ERJ3RED470	M.RESISTOR CH 1/16W 47	1	
R3050	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3053	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3054	ERJ3GEYJ243	M.RESISTOR CH 1/16W 24K	1	
R3055	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R3056	ERJ3RBD113	M.RESISTOR CH 1/16W 11K	1	
R3057	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R3058	ERJ3GEYJ183	M.RESISTOR CH 1/16W 18K	1	
R3060	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3061	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R3062,63	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	2	
R3064	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3066	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R3067	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R3068	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R3069	ERJ3GEYJ183	M.RESISTOR CH 1/16W 18K	1	
R3070,71	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R3072	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R3073	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R3075	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3076	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3077	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3078	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3079	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3080	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R3081	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R3082	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3083-85	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	3	
R3086,87	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	2	
R3088	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3089	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3090	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3091-93	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	3	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R3094-96	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	3	
R3099-10	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	12	
R3111	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3112	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3113,14	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R3115	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3116	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R3118-20	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	3	
R3122	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3150	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R3151	EXBV8V473J	COMBI.R-R 47K	1	
R3152	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3153	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3154	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3155,56	EXBV8V473J	COMBI.R-R 47K	2	
R3157	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3158	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3160	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3161	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3162	EXBV8V473J	COMBI.R-R 47K	1	
R3163,64	D1H84704A008	COMBI.R-R 47	2	
R3165,66	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3168	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3169	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3171-73	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R3178,79	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3210	EXBV8V473J	COMBI.R-R 47K	1	
R3212	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3213	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3215,16	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	2	
R3217,18	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3219-24	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	6	D0GB103JA002
R3225,26	EXBV8V101J	COMBI.R-R 100	2	
R3227,28	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R3229,30	EXBV8V102J	COMBI.R-R 1K	2	
R3240-44	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	5	
R3245	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3246-48	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R3261	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3262	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3263	EXBV8V102J	COMBI.R-R 1K	1	
R3264	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3265	EXBV8V102J	COMBI.R-R 1K	1	
R3266	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3268	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3270	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3272	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3276,77	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3279	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3282,83	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3290-93	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	4	
R3300,01	EXBV8V102J	COMBI.R-R 1K	2	
R3302	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3303	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3304	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R3305	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3307	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3308	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R3310	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3311	ERJ3GEYJ561	M.RESISTOR CH 1/16W 560	1	
R3312	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3313-15	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	3	
R3316,17	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3319-21	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	3	
R3323	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3350-55	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	6	
R3356	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3357-60	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	4	
R3361	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3362-67	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	6	
R3368	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3371,72	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3373	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3374	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3375	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R3377-79	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R3383,84	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3385-92	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	8	
R3393,94	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R3395-02	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	8	
R3403,04	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R3409-12	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	4	
R3425	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3426-31	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	6	
R3452-55	D0GZ103J0001	M.RESISTOR CH 10K	4	
R3456	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3457	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3458	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R3459	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3460	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3461-64	ERJ3GEYJ203	M.RESISTOR CH 1/16W 20K	4	
R3465-67	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	D0GB103JA002
R3468	ERJ3GEYJ203	M.RESISTOR CH 1/16W 20K	1	
R3469,70	EXBV8V102J	COMBI.R-R 1K	2	
R3471-74	ERJ3GEYJ203	M.RESISTOR CH 1/16W 20K	4	
R3475-77	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	D0GB103JA002
R3478-82	ERJ3GEYJ203	M.RESISTOR CH 1/16W 20K	5	
R3483-85	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	D0GB103JA002
R3486	ERJ3GEYJ203	M.RESISTOR CH 1/16W 20K	1	
R3490-92	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R3500	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3501	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3502-05	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	4	D0GB103JA002
R3506	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3507,08	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	2	
R3509,10	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R3511,12	EXBV8V101J	COMBI.R-R 100	2	
R3513	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3514,15	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R3516	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3517,18	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R3519,20	D1H84704A008	COMBI.R-R 47	2	
R3521	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3523	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3610	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3611	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3613	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R3614	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3641-43	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R3645-47	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R3648	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3649,50	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3652-56	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	5	
R3670	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R3671	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R3672,73	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	2	
R3674	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R3675	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R3676	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3677	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3678	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3700	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3701,02	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	2	
R3705,06	ERJ3RBD681	M.RESISTOR CH 1/16W 680	2	
R3707	ERJ3RBD391	M.RESISTOR CH 1/16W 390	1	
R3708	ERJ3RBD361	M.RESISTOR CH 1/16W 360	1	
R3709	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3710	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3711	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R3712	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3713	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R3714	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R3715	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3716,17	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	2	
R3718	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3719	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3720	ERJ3RBD271	M.RESISTOR CH 1/16W 270	1	
R3721	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R3722	ERJ3GEYJ124	M.RESISTOR CH 1/16W 120K	1	
R3724	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R3728	ERJ3RBD392	M.RESISTOR CH 1/16W 3.9K	1	
R3729	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R3730	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3750,51	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R3752,53	D1H84704A008	COMBI.R-R 47	2	
R3754	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3755	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R3756,57	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3770,71	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3772	EXBV8V102J	COMBI.R-R 1K	1	
R3775-78	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	4	
R3779-85	D1H84704A008	COMBI.R-R 47	7	
R3786	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3787-89	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	3	
R3790,91	EXBV8V473J	COMBI.R-R 47K	2	
R3792	EXBV8V102J	COMBI.R-R 1K	1	
R3793	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R3796	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3802	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3803,04	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R3805	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3809,10	EXBV8V473J	COMBI.R-R 47K	2	
R3815,16	D0GZ220J0001	M.RESISTOR CH 22	2	
R3841	EXBV8V102J	COMBI.R-R 1K	1	
R3842	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3843	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R3844	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3845	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R3846	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3847,48	D0GZ220J0001	M.RESISTOR CH 22	2	
R3849	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3850	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3851	EXBV8V102J	COMBI.R-R 1K	1	
R3852,53	EXBV8V473J	COMBI.R-R 47K	2	
R3854	D0GZ103J0001	M.RESISTOR CH 10K	1	
R3855	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3856	D0GZ220J0001	M.RESISTOR CH 22	1	
R3857	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3858	D1H833040002	COMBI.R-R 33	1	
R3861,62	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3863	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R3866	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3868	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3869	D0GZ220J0001	M.RESISTOR CH 22	1	
R3870	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3871	D1H833040002	COMBI.R-R 33	1	
R3873,74	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2	
R3875-78	ERJ3GEYJ203	M.RESISTOR CH 1/16W 20K	4	
R3879	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3880-82	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	D0GB103JA002
R3883	ERJ3GEYJ203	M.RESISTOR CH 1/16W 20K	1	
R3884-91	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	8	
R3892-95	D0GZ220J0001	M.RESISTOR CH 22	4	
R3897	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3951,52	D1H847240002	COMBI.R-R 4.7K	2	
R3953	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R3954	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3955	D1H84704A008	COMBI.R-R 47	1	
R3956	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3957	EXBV8V102J	COMBI.R-R 1K	1	
R3958,59	D1H847240002	COMBI.R-R 4.7K	2	
R3960	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R3961	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3962	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3963,64	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R3965	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3966	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R3967	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3968,69	D1H84704A008	COMBI.R-R 47	2	
R3970	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R4000	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R4001	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R4002	ERJ3GEYJ151	M.RESISTOR CH 1/16W 150	1	
R4100-02	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	3	
R4105	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R4107,08	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R4109	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R4110	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4111,12	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	2	
R4118	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4201	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R4205	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R4207,08	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R4209	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R4215	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4216,17	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	2	
R4218-20	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	3	
R4222	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R4225-37	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	13	
R4240,41	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	2	
R4300	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R4302	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4303	ERJ3GEYJ183	M.RESISTOR CH 1/16W 18K	1	
R4304,05	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R4306	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R4308	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4309	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R4310	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R4311	ERJ3RBD242	M.RESISTOR CH 1/16W 2.4K	1	
R4313	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R4314-17	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	4	
TG3020-25	EYF6CU	TEST POINT	6	
TP3150,51	EYF6CU	TEST POINT	2	
TP3211,12	EYF6CU	TEST POINT	2	
TP3266	EYF6CU	TEST POINT	1	
TP3323	EYF6CU	TEST POINT	1	
TP3455-59	EYF6CU	TEST POINT	5	
TP3511,12	EYF6CU	TEST POINT	2	
TP3700	EYF6CU	TEST POINT	1	
TP3880,81	EYF6CU	TEST POINT	2	
TP3886	EYF6CU	TEST POINT	1	
VR3700	VRV0113B501	V.RESISTOR 500	1	
VR3701	VRV0113B102	V.RESISTOR 1K	1	D3EC41020001
X3050	VSX0788	CRYSTAL OSCILLATOR	1	H1C2705B0006
X3300	VSX0919	CRYSTAL OSCILLATOR	1	H0J417500001
X3670	VSX0975	CRYSTAL OSCILLATOR	1	H1C2295B0001
X3841	H0J921400004	CRYSTAL OSCILLATOR	1	
		MISCELLANEOUS		
	VML2143	CARD PULLER	1	
	VML2144	CARD PULLER	1	
	C1ZBZ0002330	IC	1	
■ E4	VEP83629C	F4 REC PB P.C.BOARD	1	(RTL)FOR AJ-SD955BP/BE/D955BMC
C3010	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C3011	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3012	EEFCD0J470R	E.CAPACITOR 6.3V 47U	1	
C3013-17	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	5	
C3018	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3019	EEFCD0J470R	E.CAPACITOR 6.3V 47U	1	
C3020	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3021-25	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	5	
C3026,27	EEVHB1C100	E.CAPACITOR 16V 10U	2	
C3028-30	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	3	
C3031	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3032-40	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	9	
C3041-44	EEVHB0J470	E.CAPACITOR 6.3V 47U	4	
C3045,46	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C3047,48	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	2	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C3050	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C3051,52	EEVHB1C100	E.CAPACITOR 16V 10U	2	
C3053,54	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C3056	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	1	
C3057	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C3058,59	EEVHB1C100	E.CAPACITOR 16V 10U	2	
C3060	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3061-64	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	4	
C3065	EEVHP1E3R3	E.CAPACITOR 25V 3.3U	1	
C3066	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C3068	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3069,70	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C3071	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3072	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C3073	ECUX1C224KBN	C.CAPACITOR CH 16V 0.22U	1	
C3074	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	1	F1K1C105A026
C3075	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C3076	ECUX1C224KBN	C.CAPACITOR CH 16V 0.22U	1	
C3077	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C3079	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	1	
C3080-93	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	14	
C3150	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C3151-70	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	20	
C3171	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3172	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C3173	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3174	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C3210-17	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	8	
C3218	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C3219	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C3240	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C3241	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C3242-44	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	3	
C3260-74	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	15	
C3275	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C3276	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C3277	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3278	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C3279	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3280,81	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C3290-93	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	4	
C3300-03	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	4	
C3304	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C3305	ECUX1H050CCV	C.CAPACITOR CH 50V 5P	1	
C3307	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C3308	ECUX1H050CCV	C.CAPACITOR CH 50V 5P	1	
C3309-24	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	16	
C3325	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3326	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C3350-62	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	13	
C3363	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C3364-68	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	5	
C3369	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3370	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C3371	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3372,73	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C3380-85	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	6	
C3450-57	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	8	
C3458	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C3460-71	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	12	
C3472	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3473-75	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	3	
C3500	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C3501-12	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	12	
C3611	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C3612-15	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	4	
C3640	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C3641	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C3642-44	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	3	
C3670-72	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	3	
C3673-75	EEVHB1C470P	E.CAPACITOR 16V 47U	3	
C3676	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	1	
C3677	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C3678	EEVHP1E3R3	E.CAPACITOR 25V 3.3U	1	
C3679	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C3680-82	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	3	
C3700-02	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	3	
C3703,04	EEVHB1C470P	E.CAPACITOR 16V 47U	2	
C3705,06	ECUX1H050CCV	C.CAPACITOR CH 50V 5P	2	
C3707	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C3708,09	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	2	
C3710,11	ECUX1H020CCV	C.CAPACITOR CH 50V 2P	2	
C3712	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C3713	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C3714	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C3715	ECUX1H680JCV	C.CAPACITOR CH 50V 68P	1	
C3716	EEVHB1C100	E.CAPACITOR 16V 10U	1	
C3717	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C3718	ECUX1H020CCV	C.CAPACITOR CH 50V 2P	1	
C3719,20	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C3721	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C3722	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C3723	ECUX1H680JCV	C.CAPACITOR CH 50V 68P	1	
C3724,25	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C3750	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C3752-54	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	3	
C3770-74	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	5	
C3801-03	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	3	
C3808-11	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	4	
C3812	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C3841	ECUX1H120JCV	C.CAPACITOR CH 50V 12P	1	
C3842	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C3843	ECUX1H120JCV	C.CAPACITOR CH 50V 12P	1	
C3845	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	
C3846	ECUX1H221JCV	C.CAPACITOR CH 50V 220P	1	
C3847-56	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	10	
C3857	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C3858,59	ECUX1E273KBV	C.CAPACITOR CH 25V 0.027U	2	
C3860	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C3951-59	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	9	
C4000	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C4003	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C4005	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C4006	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C4100-10	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	11	
C4111	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C4112-21	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	10	
C4122	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	1	
C4123	ECUX1C224KBN	C.CAPACITOR CH 16V 0.22U	1	
C4124	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C4125	ECUX1C106KBP	C.CAPACITOR CH 16V 10U	1	
C4126	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	1	
C4150-54	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	5	
C4200-13	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	14	
C4214	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C4215-24	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	10	
C4225	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	1	
C4226	ECUX1C224KBN	C.CAPACITOR CH 16V 0.22U	1	
C4227	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C4228	ECUX1C106KBP	C.CAPACITOR CH 16V 10U	1	
C4229	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	1	
C4250-54	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	5	
C4301	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C4302	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	1	
C4304	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C4306	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C4307	ECUX1C224KBN	C.CAPACITOR CH 16V 0.22U	1	
C4308,09	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C4310	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	
D3010	MA716	DIODE	1	
D3052,53	MA3J14300L	DIODE	2	
D3670	MA3J14300L	DIODE	1	
D3700	MA3J14300L	DIODE	1	
D4302,03	MA3J14300L	DIODE	2	
FL3700	VLF1462	FILTER	1	
IC3010	LT1086CM	IC	1	C0CBAYG00001
IC3011	C0CBAAB00021	IC	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
IC3012	NJM78L09UA	IC	1	C0CBAHC00002
IC3013	C0JBAZ001121	IC	1	
IC3014	C0JBAZ001003	IC	1	
IC3015	NJM79L09UA	IC	1	C0CABBF00001
IC3018	XC62FP3202P	IC	1	
IC3019	C0CBADC00063	IC	1	
IC3020	C0CBBDB00004	IC	1	
IC3050	C0JBAZ001437	IC	1	
IC3051,52	C0ABEB000023	IC	2	
IC3053	TLC2933IPW	IC	1	C0ABFA000012
IC3054	C0JBAF000224	IC	1	
IC3055	BH7086KV	IC	1	C1ZBZ0001649
IC3056	C0JBAB000422	IC	1	
IC3057	C0JBAB000350	IC	1	
IC3058	C0JBAB000422	IC	1	
IC3059	C0JBAB000350	IC	1	
IC3060	TLCX257FT	IC	1	
IC3061	C0JBAZ001728	IC	1	
IC3062	C0JBAZ000851	IC	1	
IC3063	TLCX257FT	IC	1	
IC3064-66	C0JBAZ001728	IC	3	
IC3067	C0JBAB000553	IC	1	
IC3150	C0JBAZ001121	IC	1	
IC3151	C1ZBZ0001836	IC	1	
IC3152	MS51V8221-3G	IC	1	
IC3153	C0JBAF000223	VHC	1	
IC3154	C0JBAZ001121	IC	1	
IC3210	MN673797A	IC	1	
IC3211	C0JBAZ001121	IC	1	
IC3240	T220E7202AF1	IC	1	
IC3260	C1ZBZ0002123	IC	1	
IC3261	C0JBAE000238	IC	1	
IC3290-93	MS51V8221-3G	IC	4	
IC3300	MN7F008B4C	IC	1	
IC3301	C3ABQG000045	IC	1	
IC3302	C0JBAB000397	IC	1	
IC3303,04	C0JBAZ000851	IC	2	
IC3350	C1ZBZ0001836	IC	1	
IC3351	DS90LV047AC	IC	1	
IC3352	C0JBAZ001121	IC	1	
IC3353	C0JBAZ001728	IC	1	
IC3380,81	DS90LV048AC	IC	2	
IC3382-85	C0JBAZ000851	IC	4	
IC3450	MN7F008B4C	IC	1	
IC3451,52	C3ABQG000045	IC	2	
IC3500	TLCX257FT	IC	1	
IC3501	MN673797A	IC	1	
IC3502	C0JBAR000368	IC	1	
IC3503,04	C0JBAZ001121	IC	2	
IC3610	UPD65943G028	IC	1	
IC3640	T220E7202AF1	IC	1	
IC3670	C0JBAZ001437	IC	1	
IC3674	C0ABEB000023	IC	1	
IC3676	TC7W241FU	IC	1	
IC3704	TC4W53FU	IC	1	
IC3705	LT1228CS8	IC	1	
IC3706	C0FBAD000002	IC	1	
IC3750,51	MS51V8221-3G	IC	2	
IC3752,53	C0JBAF000414	IC	2	
IC3770-74	C0JBAZ001121	IC	5	
IC3801,02	C0JBAZ001121	IC	2	
IC3803	C0JBAZ001137	IC	1	
IC3842	TC7W241FU	IC	1	
IC3951	C0JBAZ001137	IC	1	
IC3952,53	C0JBAA000174	IC	2	
IC3955	TC7W241FU	IC	1	
IC3956	C0JBAZ001003	IC	1	
IC3959	C0JBAB000350	IC	1	
IC4000	C0EBE0000209	IC	1	
IC4001	C0CBAAD00023	IC	1	
IC4101	C3ABQG000045	IC	1	
IC4150	T160G70-1601	IC	1	
IC4201	C3ABQG000045	IC	1	
IC4202-04	C0JBAZ001728	IC	3	
IC4250	T160G70-1601	IC	1	

Components identified with the mark ⚠ have the special characterisitics for safety.
When replacing any of these components, use onlly the same type.

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
IC4300	C0JBAZ001437	IC	1	
IC4301	C0ABEB000023	IC	1	
IC4302	TLC2932IPW	IC	1	
IC4303	C0JBAZ000852	IC	1	
ID0	VVVSI4114	SOFTWARE	1	DOWNLOAD ONLY
ID3841	VVVSI4118A	SOFTWARE	1	DOWNLOAD ONLY
IP3016,17	C1ZBZ0001555	IC	2	
IP3841	C2GBC0000084	MICRO CONTROLLER	1	
IP4100	VSI4128A	IC	1	
IP4200	VSI4128A	IC	1	
L3010,11	VLF1151A132	COIL	2	
L3050-56	VLQ0319K470	COIL 47UH	7	G1C470K00013
L3150,51	VLQ0319K470	COIL 47UH	2	G1C470K00013
L3260,61	VLQ0319K470	COIL 47UH	2	G1C470K00013
L3300	VLQ0319K470	COIL 47UH	1	G1C470K00013
L3350,51	VLQ0319K470	COIL 47UH	2	G1C470K00013
L3450	VLQ0319K470	COIL 47UH	1	G1C470K00013
L3670-72	VLQ0319K470	COIL 47UH	3	G1C470K00013
L3700-03	VLQ0319K470	COIL 47UH	4	G1C470K00013
L3704,05	VLQ0163J390	COIL 39UH	2	
L3706,07	VLQ0163J150	COIL 15UH	2	
L3708	VLQ0319K470	COIL 47UH	1	G1C470K00013
L3841	VLQ0319K470	COIL 47UH	1	G1C470K00013
L4100-02	J0JKC0000009	FILTER	3	
L4103	VLQ0319K470	COIL 47UH	1	G1C470K00013
L4150	J0JKC0000009	FILTER	1	
L4200-02	J0JKC0000009	FILTER	3	
L4203	VLQ0319K470	COIL 47UH	1	G1C470K00013
L4250	J0JKC0000009	FILTER	1	
L4300,01	VLQ0319K470	COIL 47UH	2	G1C470K00013
P3001,02	K1KA96B00032	CONNECTOR (MALE)	2	
P3010	K1KA08B00147	CONNECTOR (FEMALE)	1	
P3841	K1KA10A00303	CONNECTOR (MALE)	1	
P3951	VJS3791B020	CONNECTOR (FEMALE)	1	
P4200	VJP3125B012	CONNECTOR (MALE)	1	
Q3700	2SB0709ALL	TRANSISTOR	1	
Q3701	2SA1532-B	TRANSISTOR	1	
Q3702	2SB0709ALL	TRANSISTOR	1	
⚠ Q4000	HAT1033T	TRANSISTOR	1	
QR4000	UNR521400L	TRANSISTOR-RESISTOR	1	
R3011	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3012	EXBV8V102J	COMBI.R-R 1K	1	
R3013,14	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3015	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3016,17	EXBV8V102J	COMBI.R-R 1K	2	
R3018,19	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3020	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3021	D0GZ103J0001	M.RESISTOR CH 10K	1	
R3022	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3024-26	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R3028	EXBV8V102J	COMBI.R-R 1K	1	
R3029,30	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R3031	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3034	ERJ3RBD101	M.RESISTOR CH 1/16W 100	1	
R3035	ERJ3RED470	M.RESISTOR CH 1/16W 47	1	
R3050	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3053	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3054	ERJ3GEYJ243	M.RESISTOR CH 1/16W 24K	1	
R3055	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R3056	ERJ3RBD113	M.RESISTOR CH 1/16W 11K	1	
R3057	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R3058	ERJ3GEYJ183	M.RESISTOR CH 1/16W 18K	1	
R3060	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3061	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R3062,63	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	2	
R3064	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3066	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R3067	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R3068	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R3069	ERJ3GEYJ183	M.RESISTOR CH 1/16W 18K	1	
R3070,71	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R3072	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R3073	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R3075	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3076	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3077	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3078	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3079	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3080	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R3081	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R3082	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3083-85	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	3	
R3086,87	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	2	
R3088	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3089	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3090	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3091-93	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	3	
R3094-96	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	3	
R3099-10	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	12	
R3111	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3112	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3113,14	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R3115	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3116	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R3118-20	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	3	
R3122	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3150	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R3151	EXBV8V473J	COMBI.R-R 47K	1	
R3152	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3153	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3154	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3155,56	EXBV8V473J	COMBI.R-R 47K	2	
R3157	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3158	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3160	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3161	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3162	EXBV8V473J	COMBI.R-R 47K	1	
R3163,64	D1H84704A008	COMBI.R-R 47	2	
R3165,66	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3168	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3169	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3171-73	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R3178,79	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3210	EXBV8V473J	COMBI.R-R 47K	1	
R3212	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3213	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3215,16	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	2	
R3217,18	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3219-24	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	6	D0GB103JA002
R3225,26	EXBV8V101J	COMBI.R-R 100	2	
R3227,28	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R3229,30	EXBV8V102J	COMBI.R-R 1K	2	
R3240-44	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	5	
R3245	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3246-48	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R3261	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3262	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3263	EXBV8V102J	COMBI.R-R 1K	1	
R3264	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3265	EXBV8V102J	COMBI.R-R 1K	1	
R3266	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3268	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3270	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3272	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3276,77	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3279	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3282,83	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3290-93	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	4	
R3300,01	EXBV8V102J	COMBI.R-R 1K	2	
R3302	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3303	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3304	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R3305	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R3307	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3308	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R3310	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3311	ERJ3GEYJ561	M.RESISTOR CH 1/16W 560	1	
R3312	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3313-15	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	3	
R3316,17	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3319-21	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	3	
R3323	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3350-55	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	6	
R3356	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3357-60	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	4	
R3361	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3362-67	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	6	
R3368	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3371,72	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3373	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3374	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3375	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3377-79	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R3383,84	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3385-92	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	8	
R3393,94	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R3395-02	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	8	
R3403,04	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R3409-12	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	4	
R3425	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3426-31	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	6	
R3452-55	D0GZ103J0001	M.RESISTOR CH 10K	4	
R3456	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3457	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3458	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R3459	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3460	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3461-64	ERJ3GEYJ203	M.RESISTOR CH 1/16W 20K	4	
R3465-67	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	D0GB103JA002
R3468	ERJ3GEYJ203	M.RESISTOR CH 1/16W 20K	1	
R3469,70	EXBV8V102J	COMBI.R-R 1K	2	
R3471-74	ERJ3GEYJ203	M.RESISTOR CH 1/16W 20K	4	
R3475-77	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	D0GB103JA002
R3478-82	ERJ3GEYJ203	M.RESISTOR CH 1/16W 20K	5	
R3483-85	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	D0GB103JA002
R3486	ERJ3GEYJ203	M.RESISTOR CH 1/16W 20K	1	
R3490-92	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R3500	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3501	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3502-05	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	4	D0GB103JA002
R3506	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3507,08	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	2	
R3509,10	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R3511,12	EXBV8V101J	COMBI.R-R 100	2	
R3513	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3514,15	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R3516	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3517,18	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R3519,20	D1H84704A008	COMBI.R-R 47	2	
R3521	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3523	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3610	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3611	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3613	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R3614	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3641-43	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R3645-47	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R3648	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3649,50	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3652-56	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	5	
R3670	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R3671	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R3672,73	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	2	
R3674	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R3675	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R3676	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3677	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3700	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R3701,02	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	2	
R3705,06	ERJ3RBD681	M.RESISTOR CH 1/16W 680	2	
R3707	ERJ3RBD391	M.RESISTOR CH 1/16W 390	1	
R3708	ERJ3RBD361	M.RESISTOR CH 1/16W 360	1	
R3709	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3710	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3711	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R3712	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3713	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R3714	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R3715	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3716,17	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	2	
R3718	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3719	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3720	ERJ3RBD271	M.RESISTOR CH 1/16W 270	1	
R3721	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R3722	ERJ3GEYJ124	M.RESISTOR CH 1/16W 120K	1	
R3724	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R3728	ERJ3RBD392	M.RESISTOR CH 1/16W 3.9K	1	
R3729	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R3730	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3750,51	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R3752,53	D1H84704A008	COMBI.R-R 47	2	
R3754	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3755	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R3756,57	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3770,71	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3772	EXBV8V102J	COMBI.R-R 1K	1	
R3775-78	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	4	
R3779-85	D1H84704A008	COMBI.R-R 47	7	
R3786	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3787-89	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	3	
R3790,91	EXBV8V473J	COMBI.R-R 47K	2	
R3792	EXBV8V102J	COMBI.R-R 1K	1	
R3793	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R3796	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3802	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3803,04	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R3805	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3809,10	EXBV8V473J	COMBI.R-R 47K	2	
R3815,16	D0GZ220J0001	M.RESISTOR CH 22	2	
R3841	EXBV8V102J	COMBI.R-R 1K	1	
R3842	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3843	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R3844	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3845	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R3846	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3847,48	D0GZ220J0001	M.RESISTOR CH 22	2	
R3849	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3850	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3851	EXBV8V102J	COMBI.R-R 1K	1	
R3852,53	EXBV8V473J	COMBI.R-R 47K	2	
R3854	D0GZ103J0001	M.RESISTOR CH 10K	1	
R3855	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3856	D0GZ220J0001	M.RESISTOR CH 22	1	
R3857	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3858	D1H833040002	COMBI.R-R 33	1	
R3861,62	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3863	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R3866	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3868	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3869	D0GZ220J0001	M.RESISTOR CH 22	1	
R3870	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3871	D1H833040002	COMBI.R-R 33	1	
R3873,74	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2	
R3875-78	ERJ3GEYJ203	M.RESISTOR CH 1/16W 20K	4	
R3879	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3880-82	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	D0GB103JA002
R3883	ERJ3GEYJ203	M.RESISTOR CH 1/16W 20K	1	
R3884-91	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	8	
R3892-95	D0GZ220J0001	M.RESISTOR CH 22	4	
R3897	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3951,52	D1H847240002	COMBI.R-R 4.7K	2	
R3953	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R3954	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R3955	D1H84704A008	COMBI.R-R 47	1	
R3956	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3957	EXBV8V102J	COMBI.R-R 1K	1	
R3958,59	D1H847240002	COMBI.R-R 4.7K	2	
R3960	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R3961	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3962	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3963,64	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R3965	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3966	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R3967	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3968,69	D1H84704A008	COMBI.R-R 47	2	
R3970	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R4000	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R4001	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R4002	ERJ3GEYJ151	M.RESISTOR CH 1/16W 150	1	
R4100-02	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	3	
R4105	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R4107,08	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R4109	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R4110	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4111,12	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	2	
R4118	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4201	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R4205	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R4207,08	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R4209	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R4215	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4216,17	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	2	
R4218-20	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	3	
R4222	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R4225-37	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	13	
R4240,41	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	2	
R4300	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R4302	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4303	ERJ3GEYJ183	M.RESISTOR CH 1/16W 18K	1	
R4304,05	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R4306	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R4308	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4309	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R4310	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R4311	ERJ3RBD242	M.RESISTOR CH 1/16W 2.4K	1	
R4313	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R4314-17	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	4	
TG3020-25	EYF6CU	TEST POINT	6	
TP3150,51	EYF6CU	TEST POINT	2	
TP3211,12	EYF6CU	TEST POINT	2	
TP3266	EYF6CU	TEST POINT	1	
TP3323	EYF6CU	TEST POINT	1	
TP3455-59	EYF6CU	TEST POINT	5	
TP3511,12	EYF6CU	TEST POINT	2	
TP3700	EYF6CU	TEST POINT	1	
TP3880,81	EYF6CU	TEST POINT	2	
TP3886	EYF6CU	TEST POINT	1	
VR3700	VRV0113B501	V.RESISTOR 500	1	
VR3701	VRV0113B102	V.RESISTOR 1K	1	D3EC41020001
X3050	VSX0788	CRYSTAL OSCILLATOR	1	H1C2705B0006
X3300	VSX0919	CRYSTAL OSCILLATOR	1	H0J417500001
X3670	VSX0975	CRYSTAL OSCILLATOR	1	H1C2295B0001
X3671	VSX0973	CRYSTAL OSCILLATOR	1	H1C1385B0001
X3841	H0J921400004	CRYSTAL OSCILLATOR	1	
		MISCELLANEOUS		
	VML2143	CARD PULLER	1	
	VML2144	CARD PULLER	1	
	C1ZBZ0002330	IC	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
■ E16	VEP86337A	FRONT P.C.BOARD	1	(RTL)FOR AJ-SD930BP/BE/D955BMC
C100,01	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C102	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C103	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C104	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C105-07	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	3	
C108	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C109-13	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	5	
C125	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C203-06	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	4	
C300-02	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	3	
C400	ECUX1E473KBV	C.CAPACITOR CH 25V 0.047U	1	
C401	ECUX1E273KBV	C.CAPACITOR CH 25V 0.027U	1	
C402	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	1	F1K1C105A026
C403	EEUFC1J101	E.CAPACITOR 63V 100U	1	
C404	EEUFC1A122	E.CAPACITOR 10V 1200U	1	
C405	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C406,07	ECJ2VF1H104Z	C.CAPACITOR CH 50V 0.1U	2	
C409	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C410	ECUX1H222KBV	C.CAPACITOR CH 50V 2200P	1	
C411	ECUX1C473KBV	C.CAPACITOR CH 16V 0.047U	1	
C412	ECUX1C333KBV	C.CAPACITOR CH 16V 0.033U	1	
C413	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C415	ECUX1C473KBV	C.CAPACITOR CH 16V 0.047U	1	
C416	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C417,18	ECJ2VC1H102J	C.CAPACITOR CH 50V 1000P	2	
C500	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C501	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C502	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C506	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C507	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C508	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C515	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C516	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C517,18	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C519	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C520	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C521,22	ECUX1H151JCV	C.CAPACITOR CH 50V 150P	2	
C525,26	F1H1H122A219	C.CAPACITOR CH 50V 1200P	2	
C527	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	1	
D300	LNW9A8BYBZ	LED	1	
D301-03	LN38GCPP	LED	3	
D304	LN48YCPP	LED	1	
D305	LN38GCPP	LED	1	
D306	LNW9A8BYBZ	LED	1	
D400	MAZ33300ML	DIODE	1	
D401	U1GU44	DIODE	1	
D402	MA3062M	DIODE	1	
D403	MA152A	DIODE	1	
D404	MA3150-M	DIODE	1	
D405	MAZ30270HL	DIODE	1	
D500-05	MA716	DIODE	6	
D506	MA142WA	DIODE	1	
DP400	A2BZ00000033	LCD	1	
FL500,01	J0HAAC000013	FILTER	2	
IC100	C0JBAZ000994	IC	1	
IC101	C0JBAB000541	IC	1	
IC102	C0JBAZ001121	IC	1	
IC103	UPC339G2	IC	1	
IC115	C0JBAZ001003	IC	1	
IC203-06	C0JBAZ001935	IC	4	
IC300-02	C0JBAQ000168	IC	3	
IC400	UPD16310GF	IC	1	
IC401	C0JBAM000052	IC	1	
IC403	C0JBAM000052	IC	1	
IC500	C0CBADC00063	IC	1	
IC502	XC62FP3202P	IC	1	
IC503,04	C0ABBA000071	IC	2	

Components identified with the mark ⚠ have the special characterisitics for safety.
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Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
IC505	NJM78L09UA	IC	1	C0CBAHC00002
IC506	NJM79L09UA	IC	1	C0CABBF00001
IC507	NJM4556AM	IC	1	C0ABBB000042
IC508	C0ABBA000071	IC	1	
J500	VJJ0571	JACK	1	
L100-02	VLF1151A132	COIL	3	
L103	VLP0133	COIL	1	
L400	VLQ0655K220	COIL 22UH	1	
L500,01	VLP0146	COIL	2	
P100	K1KA30C00003	CONNECTOR (MALE)	1	
P101	VJP1246T	CONNECTOR (MALE) 6P	1	
P300	K1KB07A00019	CONNECTOR (FEMALE)	1	
Q400,01	2SD602A-R	TRANSISTOR	2	
Q402	B1BBGE000001	TRANSISTOR	1	
Q403	2SD602A-R	TRANSISTOR	1	
Q404	2SJ278	TRANSISTOR	1	
Q405-07	2SB1219A	TRANSISTOR	3	
Q500,01	2SD1328	TRANSISTOR	2	
QR300-03	UN2214	TRANSISTOR-RESISTOR	4	UNR221400L
QR304-06	UN2114	TRANSISTOR-RESISTOR	3	
QR307-13	UN2214	TRANSISTOR-RESISTOR	7	UNR221400L
QR314	UN2114	TRANSISTOR-RESISTOR	1	
QR318,19	UN2214	TRANSISTOR-RESISTOR	2	UNR221400L
QR339	UN2214	TRANSISTOR-RESISTOR	1	UNR221400L
QR400-02	UNR221300L	TRANSISTOR	3	
R103	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R104	D0GZ103J0001	M.RESISTOR CH 10K	1	
R105	D1H84704A008	COMBI.R-R 47	1	
R107	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R108	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R109	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R110	D1H84704A008	COMBI.R-R 47	1	
R113-16	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	4	
R117-20	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	4	
R121	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R122	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R123-26	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	4	
R127	D0GZ103J0001	M.RESISTOR CH 10K	1	
R128	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R131,32	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R133-37	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	5	
R138	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R206-13	D1H847240002	COMBI.R-R 4.7K	8	
R214	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R215	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R300	ERJ3GEYJ750	M.RESISTOR CH 1/16W 75	1	
R301-04	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	4	
R305	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R306	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R307-14	ERJ3GEYJ181	M.RESISTOR CH 1/16W 180	8	
R318,19	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	2	
R339	ERJ3GEYJ750	M.RESISTOR CH 1/16W 75	1	
R400	ERJ6GEYG122	M.RESISTOR CH 1/10W 1.2K	1	
R401	ERJ6GEYJ241	M.RESISTOR CH 1/10W 240	1	
R402	ERJ14YJ4R7	M.RESISTOR CH 1/4W 4.7	1	
R403,04	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	2	
R405	ERJ6GEYF472	M.RESISTOR CH 1/10W 4.7K	1	D0GD472JA003
⚠ R407	K5H3121A0004	FUSE	1	
R408	ERJ6GEYG223	M.RESISTOR CH 1/10W 22K	1	
R409-11	ERJ6GEYJ241	M.RESISTOR CH 1/10W 240	3	
R412	ERJ6GEYF472	M.RESISTOR CH 1/10W 4.7K	1	D0GD472JA003
R413,14	ERJ6GEYG563	M.RESISTOR CH 1/10W 56K	2	
R416	ERJ6GEYF472	M.RESISTOR CH 1/10W 4.7K	1	D0GD472JA003
R417	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R418	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R419	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R420-22	ERJ8GEYJ682	M.RESISTOR CH 1/8W 6.8K	3	
R423-28	ERJ8GEYJ332	M.RESISTOR CH 1/8W 3.3K	6	
R442-44	ERJ6GEYG154	M.RESISTOR CH 1/10W 150K	3	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R445	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R503	EXBV8V102J	COMBI.R-R 1K	1	
R506,07	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R508,09	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	2	
R510,11	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	2	
R512	ERJ6GEYG271	M.RESISTOR CH 1/10W 270	1	
R513,14	ERJ6GEYG331	M.RESISTOR CH 1/10W 330	2	
R515	ERJ6GEYG271	M.RESISTOR CH 1/10W 270	1	
R516-18	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	3	
R519,20	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	2	D0YDR0000005
R521	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R529	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	D0YDR0000005
SW222	VSP0791	SWITCH	1	K0F111A00279
SW223	K0F111A00426	SWITCH	1	
SW224	VSP0792	SWITCH	1	K0F111A00280
SW225	VSP0789	SWITCH	1	K0F111A00283
SW226	VSP0790	SWITCH	1	K0F111A00278
SW227,28	VSP0864A000	SWITCH	2	K0F111A00243
SW229,30	VSS0279	SWITCH	2	K0D112A00094
SW231	VSS0313	SWITCH	1	K0D113A00044
SW232,33	VSS0279	SWITCH	2	K0D112A00094
SW234,35	EVQ21K04K	SWITCH	2	
SW236	VSS0279	SWITCH	1	K0D112A00094
SW237-44	EVQ21K04K	SWITCH	8	
SW246-48	EVQ21K04K	SWITCH	3	
T400	G4ZZ00000446	TRANSFORMER	1	
VR500-03	VRV0279	V.RESISTOR	4	D2BCA54B0003
VR505	EVJ089F15B54	V.RESISTOR 50K	1	
		MISCELLANEOUS		
	VMX2126	LED SPACER	5	
	VJF1466	LCD HOLDER	2	
	VMX3227	LED HOLDER	2	
	VGU9191	KEY TOP BUTTON	2	
	VSC5409	HEADPHONE EARTH ANGLE	1	
	VSC5450	EARTH ANGLE	1	
■ E16	VEP86337B	FRONT P.C.BOARD	1	(RTL)FOR AJ-SD955BP/BE/D955BMC
C100,01	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C102	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C103	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C104	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C105-07	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	3	
C108	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C109-13	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	5	
C125	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C200-06	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	7	
C300-04	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	5	
C400	ECUX1E473KBV	C.CAPACITOR CH 25V 0.047U	1	
C401	ECUX1E273KBV	C.CAPACITOR CH 25V 0.027U	1	
C402	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	1	F1K1C105A026
C403	EEUFC1J101	E.CAPACITOR 63V 100U	1	
C404	EEUFC1A122	E.CAPACITOR 10V 1200U	1	
C405	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C406,07	ECJ2VF1H104Z	C.CAPACITOR CH 50V 0.1U	2	
C409	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C410	ECUX1H222KBV	C.CAPACITOR CH 50V 2200P	1	
C411	ECUX1C473KBV	C.CAPACITOR CH 16V 0.047U	1	
C412	ECUX1C333KBV	C.CAPACITOR CH 16V 0.033U	1	
C413	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C415	ECUX1C473KBV	C.CAPACITOR CH 16V 0.047U	1	
C416	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C417,18	ECJ2VC1H102J	C.CAPACITOR CH 50V 1000P	2	
C500	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C501	EEVHB1C470P	E.CAPACITOR 16V 47U	1	

Components identified with the mark ⚠ have the special characterisitics for safety.
When replacing any of these components, use onlly the same type.

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C502	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C506	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C507	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C508	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C515	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C516	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C517,18	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C519	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C520	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C521,22	ECUX1H151JCV	C.CAPACITOR CH 50V 150P	2	
C525,26	F1H1H122A219	C.CAPACITOR CH 50V 1200P	2	
C527	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	1	
D300	LNW9A8BYBZ	LED	1	
D301-03	LN38GCPP	LED	3	
D304	LN48YCPP	LED	1	
D305	LN38GCPP	LED	1	
D306	LNW9A8BYBZ	LED	1	
D400	MAZ33300ML	DIODE	1	
D401	U1GU44	DIODE	1	
D402	MA3062M	DIODE	1	
D403	MA152A	DIODE	1	
D404	MA3150-M	DIODE	1	
D405	MAZ30270HL	DIODE	1	
D500-05	MA716	DIODE	6	
D506	MA142WA	DIODE	1	
DP400	A2BZ00000033	LCD	1	
FL500,01	J0HAAC000013	FILTER	2	
IC100	C0JBAZ000994	IC	1	
IC101	C0JBAB000541	IC	1	
IC102	C0JBAZ001121	IC	1	
IC103	UPC339G2	IC	1	
IC115	C0JBAZ001003	IC	1	
IC200-06	C0JBAZ001935	IC	7	
IC300-04	C0JBAQ000168	IC	5	
IC400	UPD16310GF	IC	1	
IC401	C0JBAM000052	IC	1	
IC403	C0JBAM000052	IC	1	
IC500	C0CBADC00063	IC	1	
IC502	XC62FP3202P	IC	1	
IC503,04	C0ABBA000071	IC	2	
IC505	NJM78L09UA	IC	1	C0CBAHC00002
IC506	NJM79L09UA	IC	1	C0CABBF00001
IC507	NJM4556AM	IC	1	C0ABBB000042
IC508	C0ABBA000071	IC	1	
J500	VJJ0571	JACK	1	
L100-02	VLF1151A132	COIL	3	
L103	VLP0133	COIL	1	
L400	VLQ0655K220	COIL 22UH	1	
L500,01	VLP0146	COIL	2	
P100	K1KA30C00003	CONNECTOR (MALE)	1	
P101	VJP1246T	CONNECTOR (MALE) 6P	1	
P300	K1KB07A00019	CONNECTOR (FEMALE)	1	
Q400,01	2SD602A-R	TRANSISTOR	2	
Q402	B1BBGE000001	TRANSISTOR	1	
Q403	2SD602A-R	TRANSISTOR	1	
Q404	2SJ278	TRANSISTOR	1	
Q405-07	2SB1219A	TRANSISTOR	3	
Q500,01	2SD1328	TRANSISTOR	2	
QR300-03	UN2214	TRANSISTOR-RESISTOR	4	UNR221400L
QR304-06	UN2114	TRANSISTOR-RESISTOR	3	
QR307-13	UN2214	TRANSISTOR-RESISTOR	7	UNR221400L
QR314	UN2114	TRANSISTOR-RESISTOR	1	
QR315-39	UN2214	TRANSISTOR-RESISTOR	25	UNR221400L
QR400-02	UNR221300L	TRANSISTOR	3	
R103	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R104	D0GZ103J0001	M.RESISTOR CH 10K	1	
R105	D1H84704A008	COMBI.R-R 47	1	
R107	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R108	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R109	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R110	D1H84704A008	COMBI.R-R 47	1	
R113-16	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	4	
R117-20	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	4	
R121	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R122	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R123-26	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	4	
R127	D0GZ103J0001	M.RESISTOR CH 10K	1	
R128	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R131,32	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R133-37	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	5	
R138	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R200-13	D1H847240002	COMBI.R-R 4.7K	14	
R214	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R216	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R217	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R300	ERJ3GEYJ750	M.RESISTOR CH 1/16W 75	1	
R301-04	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	4	
R305	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R306	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R307-17	ERJ3GEYJ181	M.RESISTOR CH 1/16W 180	11	
R318,19	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	2	
R320-38	ERJ3GEYJ181	M.RESISTOR CH 1/16W 180	19	
R339	ERJ3GEYJ750	M.RESISTOR CH 1/16W 75	1	
R400	ERJ6GEYG122	M.RESISTOR CH 1/10W 1.2K	1	
R401	ERJ6GEYJ241	M.RESISTOR CH 1/10W 240	1	
R402	ERJ14YJ4R7	M.RESISTOR CH 1/4W 4.7	1	
R403,04	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	2	
R405	ERJ6GEYF472	M.RESISTOR CH 1/10W 4.7K	1	D0GD472JA003
⚠ R407	K5H3121A0004	FUSE	1	
R408	ERJ6GEYG223	M.RESISTOR CH 1/10W 22K	1	
R409-11	ERJ6GEYJ241	M.RESISTOR CH 1/10W 240	3	
R412	ERJ6GEYF472	M.RESISTOR CH 1/10W 4.7K	1	D0GD472JA003
R413,14	ERJ6GEYG563	M.RESISTOR CH 1/10W 56K	2	
R416	ERJ6GEYF472	M.RESISTOR CH 1/10W 4.7K	1	D0GD472JA003
R417	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R418	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R419	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R420-22	ERJ8GEYJ682	M.RESISTOR CH 1/8W 6.8K	3	
R423-28	ERJ8GEYJ332	M.RESISTOR CH 1/8W 3.3K	6	
R442-44	ERJ6GEYG154	M.RESISTOR CH 1/10W 150K	3	
R445	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R503	EXBV8V102J	COMBI.R-R 1K	1	
R506,07	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R508,09	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	2	
R510,11	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	2	
R512	ERJ6GEYG271	M.RESISTOR CH 1/10W 270	1	
R513,14	ERJ6GEYG331	M.RESISTOR CH 1/10W 330	2	
R515	ERJ6GEYG271	M.RESISTOR CH 1/10W 270	1	
R516-18	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	3	
R519,20	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	2	D0YDR0000005
R521	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R529	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	D0YDR0000005
SW200-07	VSP0853A000	SWITCH	8	K0F111A00235
SW208	VSP0795	SWITCH	1	K0F111A00276
SW209-16	VSP0864A000	SWITCH	8	K0F111A00243
SW217	K0F111A00367	SWITCH (RED)	1	
SW218	VSP0864A000	SWITCH	1	K0F111A00243
SW219,20	VSP0853A000	SWITCH	2	K0F111A00235
SW221	VSP0864A000	SWITCH	1	K0F111A00243
SW222	VSP0791	SWITCH	1	K0F111A00279
SW223	K0F111A00426	SWITCH	1	
SW224	VSP0792	SWITCH	1	K0F111A00280
SW225	VSP0789	SWITCH	1	K0F111A00283
SW226	VSP0790	SWITCH	1	K0F111A00278
SW227,28	VSP0864A000	SWITCH	2	K0F111A00243
SW229,30	VSS0279	SWITCH	2	K0D112A00094
SW231	VSS0313	SWITCH	1	K0D113A00044
SW232,33	VSS0279	SWITCH	2	K0D112A00094
SW234,35	EVQ21K04K	SWITCH	2	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
SW236	VSS0279	SWITCH	1	K0D112A00094
SW237-44	EVQ21K04K	SWITCH	8	
SW246-48	EVQ21K04K	SWITCH	3	
T400	G4ZZ00000446	TRANSFORMER	1	
VR500-03	VRV0279	V.RESISTOR	4	D2BCA54B0003
VR505	EVJ089F15B54	V.RESISTOR 50K	1	
		MISCELLANEOUS		
	VMX2126	LED SPACER	5	
	VJF1466	LCD HOLDER	2	
	VMX3227	LED HOLDER	2	
	VGU9191	KEY TOP BUTTON	2	
	VSC5409	HEADPHONE EARTH ANGLE	1	
	VSC5450	EARTH ANGLE	1	
■ E17	VEP80C79A	FRONT SUB P.C.BOARD	1	(RTL)
D700	LN38GCPP	LED	1	
D702,03	LN48YCPP	LED	2	
D704	LNW9A8BYBZ	LED	1	
P700	K1KA07A00083	CONNECTOR (MALE)	1	
		MISCELLANEOUS		
	VMX2126	LED SPACER	4	
■ E18	VEP80C78A	EJECT P.C.BOARD	1	(RTL)
SW600	VSP0864C001	SWITCH	1	K0F111A00274
		MISCELLANEOUS		
	VWJ03CN060AA	FLAT CABLE	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks

ORDER NO. BSD0210M003-1
D25

Service Manual

Revision 1

DVCPRO 50

- Sec. 1 Service Information
- Sec. 2 Disassembly Procedures
- Sec. 3 Mechanical Adjustment
- Sec. 4 Electrical Adjustment
- Sec. 5 Block Diagrams
- Sec. 6 Schematic Diagrams
- Sec. 7 Circuit Board Diagrams
- Sec. 8 Exploded Views & Replacement Parts List

Digital Video Cassette Recorder

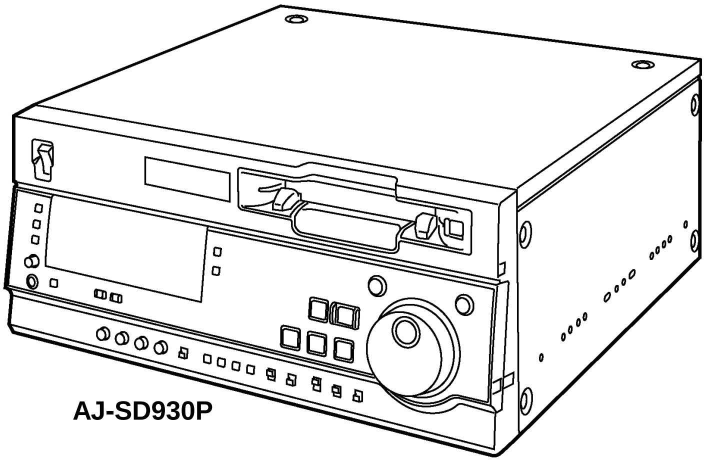
AJ-SD930P
AJ-SD955AP

Analog Video Input Board

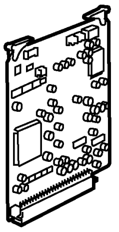
AJ-YA931G
(NTSC)
AJ-YA932G
(PAL)

SDTI Interface Board

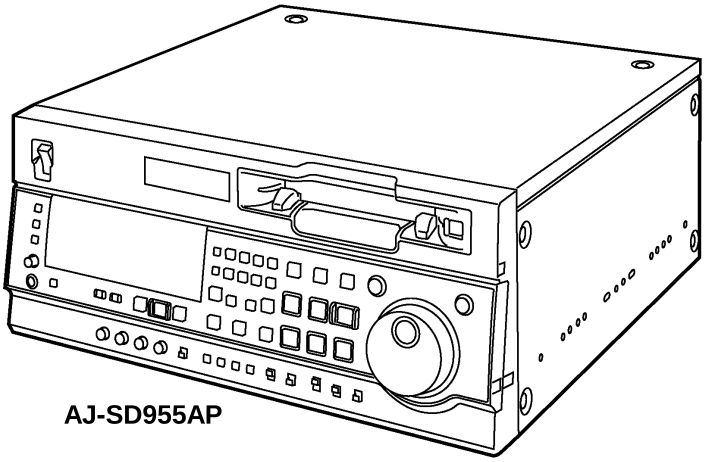
AJ-YAC930G



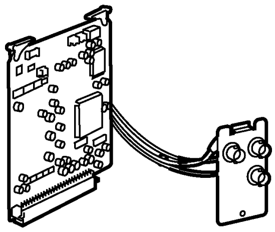
AJ-SD930P



AJ-YA931G
AJ-YA932G



AJ-SD955AP



AJ-YAC930G

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⚠ WARNING

This service information is designed for experienced repair technicians only and is not designed for use by the general public. It does not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product. Products powered by electricity should be serviced or repaired only by experienced professional technicians. Any attempt to service or repair the product or products dealt with in this service information by anyone else could result in serious injury or death.

AJ-SD930P/ AJ-SD955AP

Specifications

[GENERAL]

Power supply: AC 100 – 240 V, 50 – 60 Hz
Power consumption: 120 W (with all options)

☐ indicates safety information.

Operating ambient temperature:
41°F to 104°F (5°C to 40°C)

Operating ambient humidity:
10% to 80% (no condensation)

Weight:
AJ-SD930 : 32.78 lb (14.9 kg)
AJ-SD955A : 33.0 lb (15.0 kg)

Dimensions (W×H×D):
$16\,^{3}/_{4}\times 6\,^{15}/_{16}\times 16\,^{15}/_{16}$ inch (424×175.2×430 mm)
(Not including the support legs, connectors, and JOG dial)

Recording format:
DVCPRO50/DVCPRO format selectable

Recording video signal:
AJ-SD930 : 525i system
AJ-SD955A : 525i/625i system selectable

Recording audio signal:
DVCPRO50:
48 kHz 16-bit 4 channels
DVCPRO:
48 kHz 16-bit 2 channels

Recording tracks:
Digital video audio:
helical track
The time code is recorded in the sub-code area.
Cue track:
1 track
Control track:
1 track

Tape speed:
[525i system]
67.640 mm/sec (DVCPRO50)
[625i system] **SD955A**
67.708 mm/sec (DVCPRO50)

Recording time:
92 minutes (using the AJ-5P92LP)
33 minutes (using the AJ-5P33MP)

Tape:
Metal tape

FF/REW time:
Less than 3 min (with AJ-5P92LP)
Less than 2 min (with AJ-5P33MP)

Digital slow:
–0.43× to +0.43×, +0.5×, +0.75× speed
(DVCPRO, DVCPRO50)

Editing accuracy:
±0 frames (using the time code)

Tape timer accuracy:
±1 frame (using the continuous CTL signal)

Servo lock time:
Less than 0.5 sec (color framing/standby ON)

[VIDEO]

■Digital video

Sampling frequencies:
Y: 13.5 MHz, PB/PR: 6.75 MHz
(DVCPRO50)

Quantizing:
8 bits

Video compression method:
DV-Based compression (SMPTE 314M)

Video compression rate:
DVCPRO50: 1/3.3,
DVCPRO: 1/5

Error correction:
Reed-Solomon product code

Bit rate:
DVCPRO50: 50 Mbps,
DVCPRO: 25 Mbps

■Digital IN/Analog Component OUT

Video bandwidth:
[525i system]
Y : 30 Hz to 5.75 MHz (±0.5 dB)
PB/PR : 30 Hz to 2.75 MHz (±0.5 dB)
[625i system] **SD955A**
Y : 25 Hz to 5.75 MHz (±1.0 dB)
PB/PR : 25 Hz to 2.75 MHz (±1.0 dB)

S/N ratio:
Better than 60 dB

K factor:
Less than 1%

Y/PB, PR delay:
Less than 10 ns

■Video input connector

Analog component input (option):
BNC×3 (Y, PB, PR)
Y: 1.0 V [p-p], PB/PR: 0.486/0.7 V [p-p] switchable,
75Ω (75% color bar, 7.5% setup)

Analog composite input (option):
BNC×2, loop-through, 75Ω on/off
VIDEO:1.0 V [p-p] (75Ω)

Reference input:
Analog composite, BNC×2, loop-through, 75Ω on/off

Serial digital component input:
BNC×2, active through, complies with SMPTE 259M-C standard

SDTI input (option):
BNC×1, complies with SMPTE 305M/321M standard

[VIDEO]

■Video Output Connector

Analog component output:
BNC×3 (Y, PB, PR)
Y: 1.0 V [p-p], PB/PR: 0.486/0.7 V [p-p] switchable,
75Ω (75% color bar, 7.5% setup)

Analog composite output:
BNC×3, video 1, video 2 (video/WFM selectable), video 3 (superimpose on/off)

Serial digital component output:
BNC×3, complies with SMPTE 259M-C standard
SDI 1, SDI 2, SDI 3 (superimpose on/off)

SDTI output (option):
BNC×2, complies with SMPTE 305M/321M standard

■Video Signal Adjustment

Video output gain:
±3 dB

Video output chroma gain:
±3 dB

Video output HUE (chroma phase):
±30°

Video output setup (black) level:
±14 IRE (±100 mV)

Video output sync phase:
±15 μsec

Video output SC phase:
±180°

[AUDIO]

■Digital Audio

Sampling frequencies:
48 kHz (synchronous with video)

Quantizing:
16 bits

Frequency response:
20 Hz to 20 kHz ±1.0 dB (at the reference level)

Dynamic range:
Better than 90 dB (1 kHz, emphasis OFF, "A" weighted)

Distortion:
Less than 0.05% (1 kHz, emphasis OFF, reference level)

Crosstalk:
Less than –80 dB (1 kHz, between 2 channels)

Wow & flutter:
Below measurable limit

Headroom:
20 dB

De-emphasis:
T1 = 50 μsec, T2 = 15 μsec (auto on/off)

■Cue Track

Frequency response:
300 Hz to 6 kHz ±3.0 dB (DVCPRO50)

[AUDIO]

■Audio Input Connector

Analog input (CH1, CH2, CH3, CH4):
XLR×4, 600Ω/high impedance selectable (factory setting: high impedance), +4/0/–20 dBu selectable

Digital input (CH1/CH2, CH3/CH4):
BNC×2, AES/EBU format

Serial digital input:
BNC×2, active through, complies with SMPTE 259M-C/272M-A standard

■Audio Output Connector

Analog output (CH1, CH2, CH3, CH4):
XLR×4, low impedance, +4/0/–20 dBu selectable

Digital output (CH1/CH2, CH3/CH4):
BNC×2, AES/EBU format,
75Ω, 1.0 ± 0.2 V [p-p]

Serial digital output:
BNC×3, 75Ω, complies with SMPTE 259M-C/272M-A standard

Monitor output:
XLR×2, low impedance, +4/0/–20 dBu selectable

Headphones:
Stereo mini jack, 8Ω, variable level

[Other Input/Output Connectors]

Time code input:
XLR×1, 0.5 V to 8.0 V [p-p], 10 kΩ

Time code output:
XLR×1, low impedance, 2.0 V ± 0.5 V [p-p]

RS-422A input:
D-sub 9-pin, RS-422A interface

RS-422A output:
D-sub 9-pin, RS-422A interface

RS-232C:
D-sub 25-pin, RS-232C interface

Parallel input/output:
D-sub 25-pin

Encoder remote:
D-sub 15-pin

Weight and dimensions when shown are approxlmately.
Speclilcailons are subject to change without notice.

AJ-YA931G / AJ-YA932G

Specifications

Dimensions (W×H×D):
5×5 7/8×5/8 inch (127×148×15 mm)
Weight:
0.275 lb (125 g)
Analog component input:
BNC×3 (Y, PB, PR)
Y: 1.0 V [p-p], 75 Ω
PB/PR:
AJ-YA931G; 0.525/0.757 V [p-p] switchable, 75 Ω
AJ-YA932G; 0.7 V [p-p], 75 Ω
Analog composite input:
BNC×2, loop through, 75 Ω ON/OFF switchable
VIDEO: 1.0 V [p-p], 75 Ω ON

AJ-YAC930G

Specifications

■ SDTI board

Dimensions (W×H×D):
5 11/16×5 7/8×9/16 inch (143×148×13 mm)
Weight:
0.2244 lb (102 g)

■ Input/Output:

SDTI IN (audio/video data):
BNC×1
(complies to the SMPTE 305M/321M standard)
SDTI OUT (audio/video data):
BNC×2
(complies to the SMPTE 305M/321M standard)

SAFETY PRECAUTIONS

GENERAL GUIDELINES

1. When servicing, observe the original lead dress. If a short circuit is found, replace all parts which have been over-heated or damaged by the short circuit.
2. After servicing, see to it that all the protective devices such as insulation barriers, insulation papers shields are properly installed.
3. After servicing, make the following leakage current checks to prevent the customer from being exposed to shock hazards.

LEAKAGE CURRENT COLD CHECK

1. Unplug the AC cord and connect a jumper between the two prongs on the plug.
2. Measure the resistance value, with an ohm meter, between the jumpered AC plug and each exposed metallic cabinet part on the equipment such as screwheads, connectors, control shafts, etc. The resistance value must be more than 5MΩ.

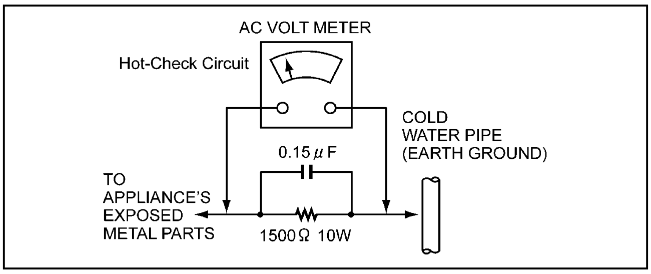


Figure1

LEAKAGE CURRENT HOT CHECK (See Figure 1)

1. Plug the AC cord directly into the AC outlet.
   Do not use an isolation transformer for this check.
2. Connect a 1.5KΩ, 10W resistor, in parallel with a 0.15µ F capacitor, between each exposed metallic part on the set an a good earth ground such as a water pipe, as shown in Figure1.
3. Use an AC voltmeter, with 1000 ohms/volt or more sensitivity, to measure the potential across the resistor.
4. Check each exposed metallic part, and measure the voltage at each point.
5. Reverse the AC plug in the AC outlet repeat each of the above measurements.
6. The potential at any point should not exceed 0.15 volts RMS. A leakage current tester (Simpson Model 229 equivalent) may be used to make the hot checks, leakage current must not exceed 0.1 milliamp. In case a measurement is outside of the limits specified, there is a possibility of a shock hazard, and the equipment should be repaired and rechecked before it is returned to the customer.

ABOUT LEAD FREE SOLDER (PbF)

Distinction of Pbf PCB:
PCBs (manufactured) using lead free solder will have a PbF stamp on the PCB.

Caution:

1. Pb free solder has a higher melting point than standard solder; Typically the melting point is 50–70˚F (30-40˚C) higher. Please use a high temperature soldering iron. In case of the soldering iron with temperature control, please set it to 700±20˚F (370±10˚C).
2. Pb free solder will tend to splash when heated too high (about 1100˚F/600˚C).

ELECTROSTATICALLY SENSITIVE (ES) DEVICES

Some semiconductor (solid state) devices can be damaged easily by static electricity. Such components commonly are called Electrostatically sensitive (ED) Devices. Examples of typical ES devices are integrated circuits and some field-effect transistors and semiconductor “chip” components. The following techniques should be used to help reduce the incidence of component damage caused by static electricity.

1. Immediately before handling any semiconductor component or semiconductor-equipped assembly, drain off any electrostatic charge on your body by touching a known earth ground.
   Alternatively, obtain and wear a commercially available discharging wrist trap device, which should be removed for potential shock reasons prior to applying power to the unit under test.
2. After removing an electrical assembly equipped with ES devices, place the assembly on a conductive surface such as alminum foil, to prevent electrostatic charge buildup or exposure of the assembly.
3. Use only a grounded tip soldering iron to solder or unsolder ES devices.
4. Use only an anti-static solder removal device classified as “anti-static” can generate electrical charges sufficient to damage ES devices.
5. Do not use freon-propelled chemicals. These can generate electrical charges sufficient to damage ES devices.
6. Do not remove a replacement ES device from its protective package until immediately before you are ready to install it.
   (most replacement ES devices are package with leads electrically shorted together by conductive foam, alminum foil or comparable conductive material).
7. Immediately before removing the protective material from the leads of a replacement ES device, touch the protective material to the chassis or circuit assembly into which the device will be installed.
   CAUTION : Be sure no power is applied to the chassis or circuit, and observe all other safety precautions.
8. Minimize bodily motions when handling unpackaged replacement ES devices. (Otherwise hamless motion such as the brushing together of your clothes fabric or the lifting of your foot from a carpeted floor can generate static electricity sufficient to damage an ES device).

X-RADIATION

WARNING

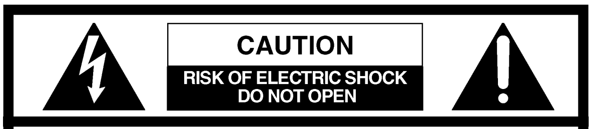
1. The potential source of X-radiation in EVF sets is the High Voltage section and the picture tube.
2. When using a picture tube test jig for service, ensure that jig is capable of handling 10kV without causing X-Radiation.

Note : It is important to use an accurate periodically calibrated high voltage meter.

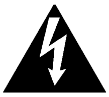
3. Measure the High Voltage. The meter (electric type) reading should indicate 2.5kV,±0.15kV. If the meter indication is out of tolerance, immediate service and correction is required to prevent the possibility of premature component failure. To prevent an X-Radiation possibility, it is essential to use the specified picture tube.

IMPORTANT

"Unauthorized recording of copyrighted television programs, video tapes and other materials may infringe the right of copyright owners and be contrary to copyright laws."



CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK,
DO NOT REMOVE COVER (OR BACK).
NO USER SERVICEABLE PARTS INSIDE.
REFER TO SERVICING TO QUALIFIED SERVICE PERSONNEL.



The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (service) instructions in the literature accompanying the appliance.

■ THIS APPARATUS MUST BE GROUNDED

To ensure safe operation the three-pin plug must be inserted only into a standard three-pin power outlet which is effectively grounded through normal household wiring.

Extension cords used with the equipment must be three-core and be correctly wired to provide connection to the ground. Incorrectly wired extension cords can be extremely hazardous.

The fact that the equipment operates satisfactorily does not imply that it is grounded, and the installation is not necessarily safe. For your safety, if in any doubt about the effective grounding of the equipment or power outlet, please consult a qualified electrician.

WARNING:

TO REDUCE THE RISK OF FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS EQUIPMENT TO RAIN OR MOISTURE.

TO REDUCE THE RISK OF FIRE OR SHOCK HAZARD, KEEP THIS EQUIPMENT AWAY FROM ALL LIQUIDS-USE AND STORE ONLY IN LOCATIONS WHICH ARE NOT EXPOSED TO THE RISK OF DRIPPING OR SPLASHING LIQUIDS, AND DO NOT PLACE ANY LIQUID CONTAINERS ON TOP OF THE EQUIPMENT.

CAUTION:

Do not install or place this unit in a bookcase, built-in cabinet or any other confined space in order to maintain adequate ventilation. Ensure that curtains and any other materials do not obstruct the ventilation to prevent risk of electric shock or fire hazard due to overheating.

CAUTION:

TO REDUCE THE RISK OF FIRE OR SHOCK HAZARD AND ANNOYING INTERFERENCE, USE THE RECOMMENDED ACCESSORIES ONLY.

CAUTION:

TO REDUCE THE RISK OF FIRE OR SHOCK HAZARD, REFER MOUNTING OF THE OPTIONAL INTERFACE BOARD TO QUALIFIED SERVICE PERSONNEL.

CAUTION:

TO REDUCE THE RISK OF FIRE OR SHOCK HAZARD, REFER CHANGE OF SWITCH SETTING INSIDE THE UNIT TO QUALIFIED SERVICE PERSONNEL.

CAUTION:

- **Keep the temperature inside the rack to between 41°F to 104°F (5°C to 40°C).**
- **Bolt the rack securely to the floor so that it will not topple over when VTR is drawn out.**

FCC Note:

This device complies with Part 15 of the FCC Rules. To assure continued compliance follow the attached installation instructions and do not make any unauthorized modifications.

This equipment has been tested and found to comply with the limits for a class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

CAUTION:

This apparatus can be operated at a voltage in the range of 100 – 240 V AC.

Voltage other than 120 V is not intended for U.S.A. and Canada.

CAUTION:

Operation at a voltage other than 120 V AC may require the use of a different AC plug. Please contact either a local or foreign Panasonic authorized service center for assistance in selecting an alternate AC plug.

▭ indicates safety information.

AJ-YA931G / AJ-YA932G

CAUTION:
TO REDUCE THE RISK OF FIRE OR SHOCK HAZARD, REFER MOUNTING OF THE OPTIONAL INTERFACE BOARD TO AUTHORIZED SERVICE PERSONNEL.

▭ indicates safety information.

AJ-YAC930G

CAUTION:
TO REDUCE THE RISK OF FIRE OR SHOCK HAZARD, REFER MOUNTING OF THE OPTIONAL INTERFACE BOARD TO AUTHORIZED SERVICE PERSONNEL.

CAUTION:
TO REDUCE THE RISK OF FIRE OR SHOCK HAZARD AND ANNOYING INTERFERENCE, USE THE RECOMMENDED ACCESSORIES ONLY.

▭ indicates safety information.

Panasonic®

SECTION 1

SERVICE INFORMATION

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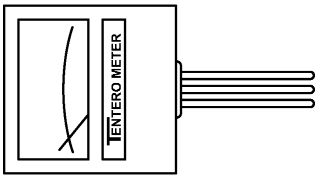
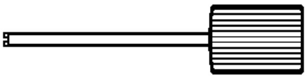
1. SERVICING FIXTURES & TOOLS

NO	NEW	PART NO.	FIXTURE & TOOL NAME	REMARKS
1		VFK1145A	Back Tension Meter	
2		VFK1149A	Post Driver	
3		VFK71A	Dial Torque Gauge (1.5 cN·m)	150 g
4		VFK1191A	Dial Torque Gauge (0.45 cN·m)	45 g
5		VFK1152	Dial Torque Gauge Adapter	
6		VFK0357	Eccentric Screwdriver (1.5 mm)	
7		VFK1154	Post Height Fixture	
8		VFK1153	Mech. Neutral Plate	
9		VFK1155	REV Position Tool (silver)	
10		VFK1156	PLAY Position Tool (black)	
11		VFK1208	Neutral Position Tool (black with hole)	
12		VFK1150A	Nut Driver (5.5 mm)	
13		VFK1151	Nut Driver (2.5 mm)	
14		VFK1188A	Dial Tension Gauge	
15		VFK0948A	Check Light	
16		VFK0749	Froiral Grease (white)	for plastics part
17		MOR265	Morlytone Grease (black)	for metal part
18		VFK1146A	Philips Driver (Fine) (00-75)	
19		VFK1147A	Philips Driver (Fine) (00-100)	
20		VFK1148A	Hex. Driver (1.5 mm)	
21		VFK1178	Hex. Driver (0.89 mm)	
22		VFK1179	Hex. Driver (0.71 mm)	
23		VFK1190	Hex. Wrench	
24		VFK1209A	Torque Driver (4 cN·m-30 cN·m)	0.4 kgf·cm –3 kgf·cm
25		VFK1375	Post Axis Driver (1.5 mm)	
26		VFK1300	A/D Board (DAQ-12 Quatech)	
27		VFM3580KM	DVCPRO Alignment Tape (No.1)	or VFM3580KL (NTSC)
27		VFM3680KM	DVCPRO Alignment Tape (No.1)	or VFM3680KL (PAL)
28		VFM3581KM	DVCPRO Alignment Tape (No.2)	or VFM3581KL
29		VFM3582KM	DVCPRO Alignment Tape (No.3)	or VFM3582KL
30		VFM3380KM	DVCPRO50 Alignment Tape	
31		VFM3010EDS	DV Alignment Tape (Color Bars)	or VFM3010EDL
32		VFM3000EDS	DV Alignment Tape for LISTA	or VFM3000EDL
33		AJ-CL12MP	Cleaning Tape	SALES Route
34		VFK1423	Tape Beg./End Detection Cassette	
35		VFK1192	F Extender Board	
36		VFK1496	Extender Board	
37		VFK1481E	LISTA Software	
38		VFK1186	LISTA Cable	
39	New	VFK1248L	Flash ROM Version Up Software	It is in Factory website
40		VFK1590	C PLD Writer	
41		VFK1304A	Flash Memory Version up Tool	
42		VFK0906	Lubrication Oil	
43		VZZ0095	Cleaning Cloth	
44	New	VFK1806	RF Adjustment Software	It is in Factory website
45	New	VFK1803	Extension Cable for Front Panel	
46		-----	EE Cleaner	Camera/Electrical Appliances mass merchandisers

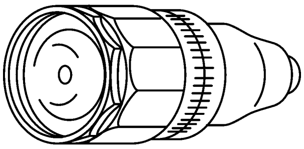
1 VFK1145A
Back Tension Meter



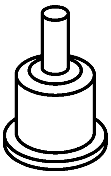
2 VFK1149A
Post Driver



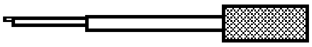
3 VFK71A
4 VFK1191A
Dial Torque Gauge



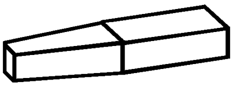
5 VFK1152
Dial Torque Gauge
Adapter



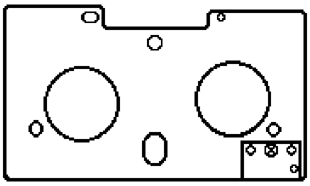
6 VFK0357
Eccentric Screwdriver
(1.5 mm)



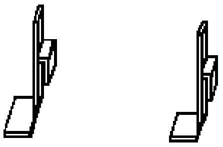
7 VFK1154
Post Height Fixture



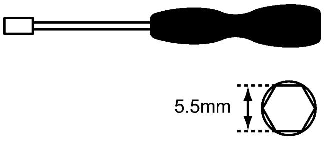
8 VFK1153
Mech. Neutral Plate



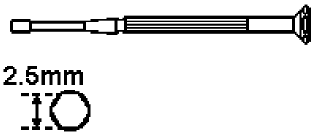
9 VFK1155 (REV/Silver)
10 VFK1156 (PLAY/Black)
11 VFK1208
(Neutral/Black with hole)
Position Tool



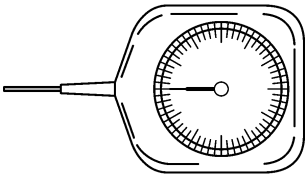
12 VFK1150A
Nut Driver (5.5 mm)



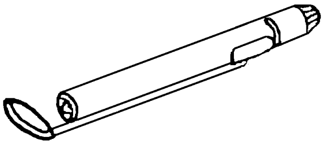
13 VFK1151
Nut Driver (2.5 mm)



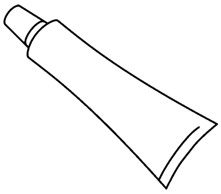
14 VFK1188A
Dial Tension Gauge



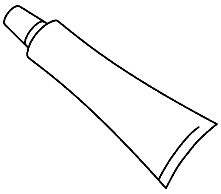
15 VFK0948A
Check Light



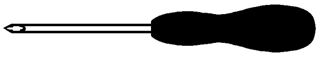
16 VFK0749
Froiral Grease
(for plastics)



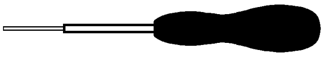
17 MOR265
Morlytone Grease
(for metal)



18 VFK1146A (00X75)
19 VFK1147A (0X100)
Philips Driver (Fine)

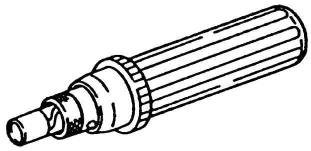


20 VFK1148A (1.5 mm)
21 VFK1178 (0.89 mm)
22 VFK1179 (0.71 mm)
Hex. Driver

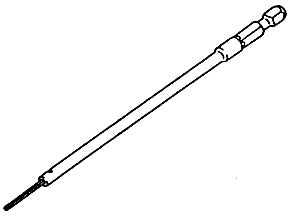


23 VFK1190
Hex. Wrench

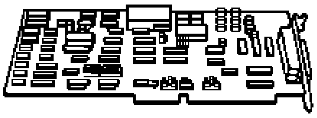
24 VFK1209A
Torque Driver



25 VFK1375
Post Axis Driver
(1.5 mm)



26 VFK1300
A/D Board
(Quatech DAQ-12)

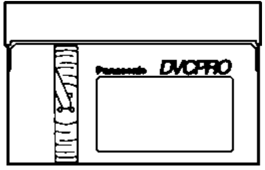


27 **VFM3580KM or L (NTSC)**
VFM3680KM or L (PAL)

28 **VFM3581KM or L**

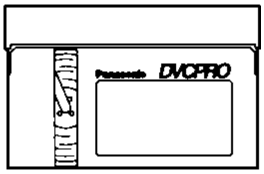
29 **VFM3582KM or L**

DVCPRO
Alignment Tape



30 **VFM3380KM**

DVCPRO50
Alignment Tape

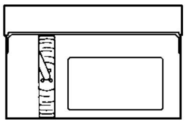


31 **VFM3010EDS**

DV Alignment Tape
(Color Bars)

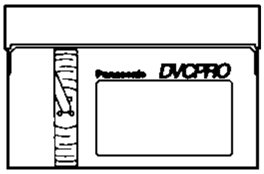
32 **VFM3000EDS**

DV Alignment Tape
(LISTA)



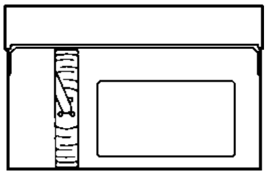
33 **AJ-CL12MP**

Cleaning Tape



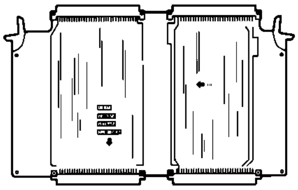
34 **VFK1423**

Tape Beg./End
Detection Cassette



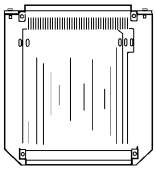
35 **VFK1192**

F Extender Board



36 **VFK1496**

Extender Board

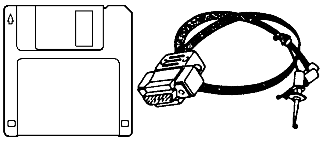


37 **VFK1481E**

LISTA Software

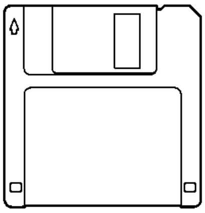
38 **VFK1186**

LISTA Cable



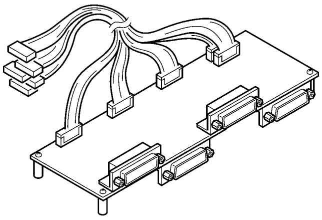
39 **VFK1248L**

Flash ROM Version up
SOFTWARE



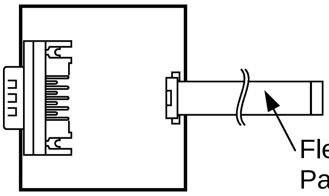
40 **VFK1590**

C PLD Writer



41 **VFK1304A**

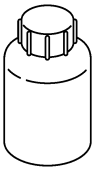
Flash Memory Version up Tool
（VFK1304 includes the flexible
cable "VWJ20E5500L0"）



Flexible cable
Part No.: VWJ20E5500L0

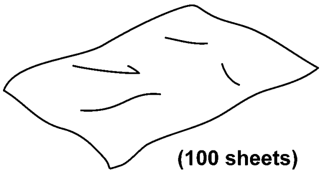
42 **VFK0906**

Lubrication Oil



43 **VZZ0095**

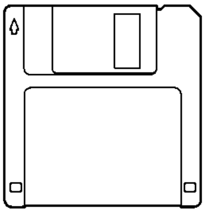
Cleaning Cloth



(100 sheets)

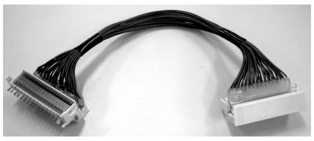
44 **VFK1806**

RF Adjustment
Software



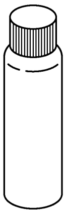
45 **VFK1803**

Extension Cable for
Front Panel



46 **-----**

EE Cleaner



2. ALIGNMENT TAPE

2-1. VFM3580KM / L (NTSC) (25M adjustment tape)

TIME (min.)	VIDEO		PCM AUDIO		CUE	
	Signal	Purpose	Signal	Purpose	Signal	Purpose
0:00	Color bar SMPTE(75%)	Confirmation of the composite video level	1KHz –20dB	Confirmation of the audio level	1KHz 0VU	Confirmation of the cue level
7:00	Color bar (75%)	Confirmation of the composite video level				
14:00	H sweep	Frequency characteristic			6KHz 0VU	A/C head azimuth adjustment
18:00	Bow tie (500K)	Y/C timing				
22:00	Pulse & bar	Y/C timing			300, 500, 1K 2K, 4K, 6KHz	Frequency characteristic
26:00	Area marker	Video start timing			-----	-----

2-2. VFM3581KM / L (NTSC) (Manufacturer (LISTA) adjustment tape)

TIME (min.)	VIDEO		PCM AUDIO		CUE	
	Signal	Purpose	Signal	Purpose	Signal	Purpose
0:00	ITI pattern	Linearity adjustment	-----	-----	-----	-----

2-3. VFM3582KM / L (NTSC) (Manufacturer (X-value) adjustment tape)

TIME (min.)	VIDEO		PCM AUDIO		CUE	
	Signal	Purpose	Signal	Purpose	Signal	Purpose
0:00	Color bar (75%) (with drop-out track)	X-value adjustment	-----	-----	6KHz 10VU	X-value adjustment

2-4. VFM3380KM (NTSC) (50M adjustment tape)

TIME (min.)	VIDEO		PCM AUDIO		CUE	
	Signal	Purpose	Signal	Purpose	Signal	Purpose
0:00	Color bar (with teletext) (100%)	Confirmation of video level and teletext level	1KHz –20dB	Confirmation of the audio level	1KHz 0VU	Confirmation of the cue level
4:00	Color bar (75%)	Confirmation of the video level				
7:00	Multiburst (Y/Pb/Pr)	Frequency characteristic				
10:00	Multiburst (only Y)	Y-frequency characteristic				
13:00	Bow tie	Y/C timing				
16:00	Area marker	Video start timing				

2-5. VFM3010EDS (NTSC) (DV adjustment tape)

TIME (min.)	VIDEO		PCM AUDIO		CUE	
	Signal	Purpose	Signal	Purpose	Signal	Purpose
0:00	Color bar	EQ adjustment	1,102.5KHz		-----	-----

2-6. VFM3000EDS (NTSC) (DV (LISTA) adjustment tape)

TIME (min.)	VIDEO		PCM AUDIO		CUE	
	Signal	Purpose	Signal	Purpose	Signal	Purpose
0:00	LISTA signal	Adjustment of the linearity	-----	-----	-----	-----

2-7. VFM3680KM / L (PAL) (25 M adjustment tape)

TIME (min.)	VIDEO		PCM AUDIO		CUE	
	Signal	Purpose	Signal	Purpose	Signal	Purpose
0:00	Color bar 100%	Video level Confirmation	1KHz –18dB	Confirmation of the audio level	1KHz Reference Level	Cue Level Confirmation
10:00	H Sweep	Frequency Response				
14:00	Area Markers	Video start timing			6KHz Reference Level	A/C head Azimuth Adjustment
18:00	Bow tie (500K)	Y/C timing				
22:00	Pulse & bar	Y/C timing			1KHz 300KHz-6KHz	Frequency Response
26:00 30:00	Multi Pulse	Y/C timing	-----	-----	-----	-----

3. LIST OF RECOMMENDED MEASURING INSTRUMENTS

MODEL NO. (Example)	NAME	REMARK
TSG130A (NTSC) *1(opt.05)	NTSC analog composite & component signal generator (with CF OUT)	Tektronix
TSG131A (PAL)	PAL analog composite & component signal generator (with CF OUT)	
1760 (op. SC) or 1780R	SCH meter (NTSC)	
	Waveform monitor (NTSC)	
	Vector scope (NTSC)	
1761 (op. SC) or 1781R	SCH meter (PAL)	
	Waveform monitor (PAL)	
	Vector scope (PAL)	
	Oscilloscope	
	Digital voltmeter (D.V.M.)	
	Frequency counter	
	Audio noise meter	
	Audio analyzer	
	Spectrum analyzer	

*1 : This option 05 is added for dvcpro service test signal. It include CF OUT Signal.
Please contact the Tektronix if more detail information is required.

4. MAINTENANCE

4-1. Maintenance Schedule

Maintenance is done by periodically performing suitable maintenance servicing in order to maintain the functions always in the best condition, so that the user can use the equipment safely. Video equipment with mounted mechanisms uses wear parts, and their wear and deterioration causes troubles. Dust and dirt also can impair stable operation. For this reason it is important not to just perform repair at the time of trouble, but also to perform suitable maintenance at regular intervals.

	Part name	Part No.	Hours of use (unit: hours)				
			Every 1000	**3000**	**6000**	**9000**	**12,000**
-	Cleaning of the travel system	-----	**C: Every 500 hours**				
-	Mechanical chassis unit	VXY1731Z1					**R**
1	Cylinder Unit	VEG1501		**R**	**R**	**R**	**IM**
2	Pinch Arm Unit	VXL2835C		**R, G**	**R, G**	**R, G**	**IM**
3	Cleaning Arm Unit	VXL3027C	**R, Y**	**R, Y**	**R, Y**	**R, Y**	**IM**
4	S-Reel Motor Unit	VEM0686			**R**		**IM**
5	T-Reel Motor Unit	VEM0687			**R**		**IM**
6	Thrust Screw Unit	VXQ0556			**R, L**		**IM**
7	Mode SW Unit	VES0918C			**R**		**IM**
8	S1 Loading Arm Unit	VXL2812			**R**		**IM**
9	T1 Boat Unit	VXA6379			**R**		**IM**
10	S5 Post Base Unit	VXA7361			**R**		**IM**
11	Tension Arm Unit	VXL2832			**R**		**IM**
12	A/C Head	VED0419					**IM**
13	Loading Motor (1) Arm Unit	VEM0645C					**IM**
14	Reel Drive Motor Unit	VEM0585C					**IM**
15	Pinch Solenoid	VSJ0227					**IM**
16	S Brake Solenoid	VSJ0216					**IM**
17	T Brake Solenoid	VSJ0216					**IM**
18	Distinction SW Unit (MIC SENSOR)	VXA7014C					**IM**
19	Cleaner Solenoid	VSJ0226					**IM**
20	Main Cam Gear	VDG1168					**IM**
21	M Stopper Brake Solenoid	VSJ0216					**IM**
22	Front-loading unit	VXA7347					**R**
23	Front Loading Motor	VXA5597					**F**
24	Fan motor	L6FALEFH0007 (VRF0190)	Exchange after every 12,000 h of energization				

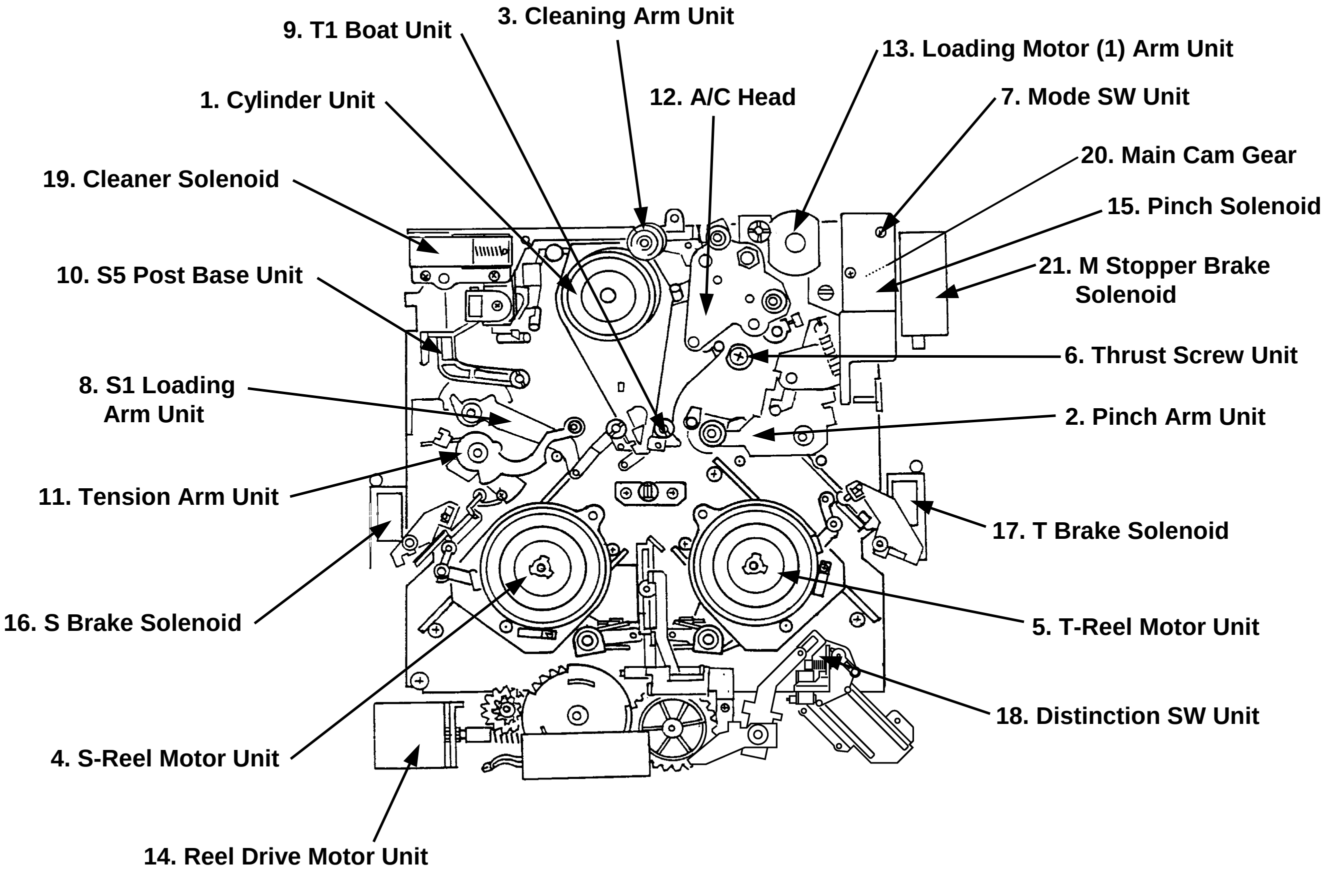
Replacement of the mechanical chassis unit is recommended for the 12,000 h maintenance.

C : Perform cleaning.
R : Assembly subject to exchange.
Y : The timing of replacement with Cleaning Arm Unit, either 1000 hours or 1 year as timing come earlier.
G : At the time of exchange, wipe off the old grease and apply new grease. (Morlytone grease)
L : Lubrication is necessary.
IM : Included in the mechanical chassis unit. When the mechanical chassis unit is not exchanged, exchange as a single part is required.
F : Included in the front-loading unit.

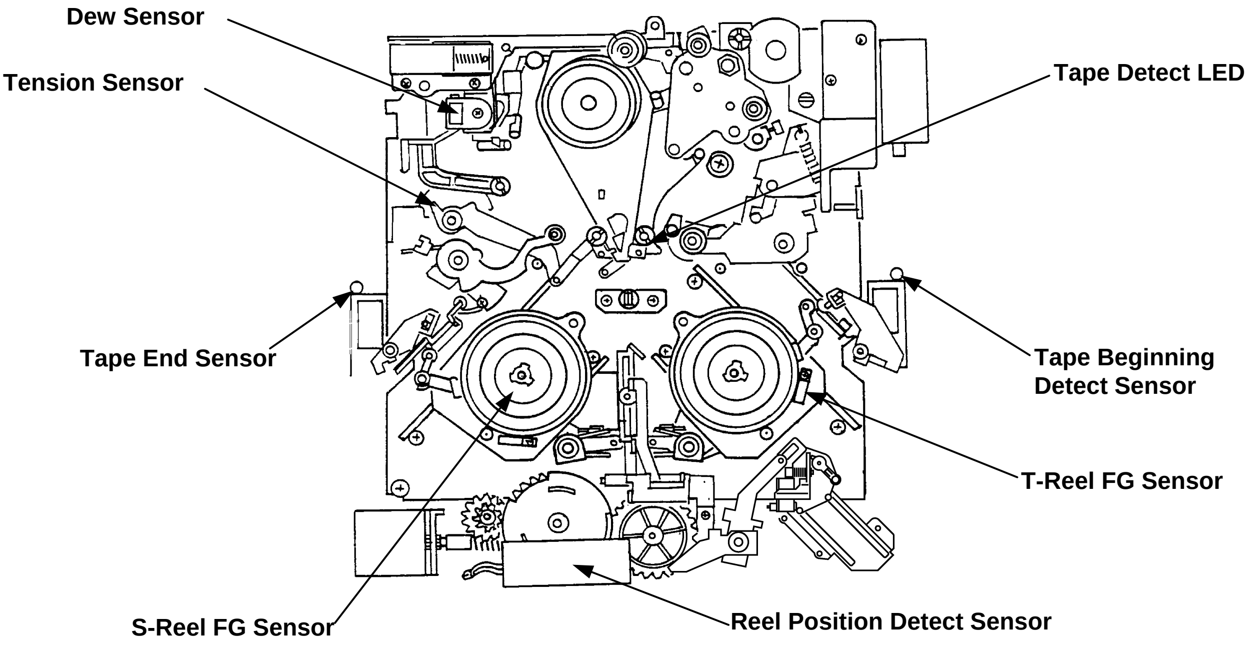
<Note:>

The Hours of use indicates the cylinder rotation time (DRUM RUN).
The maintenance execution time shown in the chart is recommendation for standard maintenance execution. This is not the life of the various parts. The life is influenced by temperature, humidity, dust, etc.
Please refer to the most recent execution outline, as the maintenance specifications and the part numbers may change.

4-2. Layout of the Maintenance Parts


9. T1 Boat Unit
3. Cleaning Arm Unit
13. Loading Motor (1) Arm Unit
1. Cylinder Unit
12. A/C Head
7. Mode SW Unit
20. Main Cam Gear
19. Cleaner Solenoid
15. Pinch Solenoid
10. S5 Post Base Unit
21. M Stopper Brake Solenoid
6. Thrust Screw Unit
8. S1 Loading Arm Unit
2. Pinch Arm Unit
11. Tension Arm Unit
17. T Brake Solenoid
16. S Brake Solenoid
5. T-Reel Motor Unit
18. Distinction SW Unit
4. S-Reel Motor Unit
14. Reel Drive Motor Unit

4-3. Layout of the Other Parts


Dew Sensor
Tension Sensor
Tape Detect LED
Tape End Sensor
Tape Beginning Detect Sensor
T-Reel FG Sensor
S-Reel FG Sensor
Reel Position Detect Sensor

5. MANUAL TAPE EJECT (Emergency Eject)

When a tape can not be ejected by normal operation due to some trouble, the tape can be removed manually as follows.

1. Turn off power and remove the top Case Unit.
2. Rotate the red plastic screw by a Phillips-head screwdriver counterclockwise pushing the screw. It needs to rotate until Post starts moving. (about 30 times rotation).

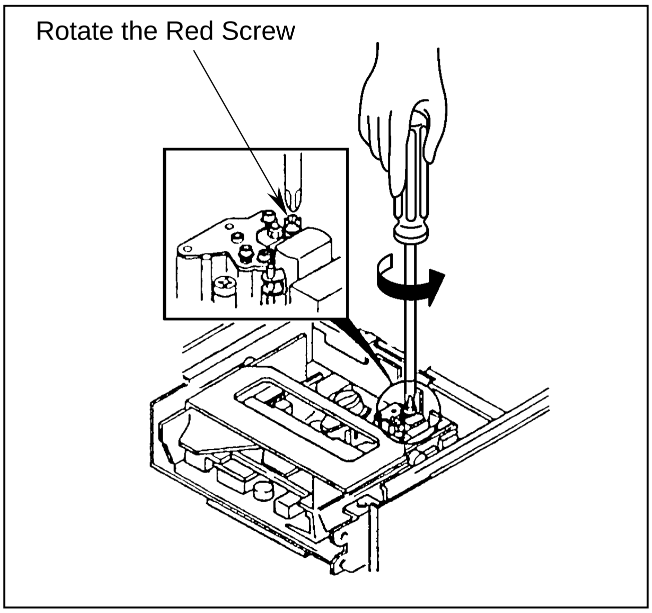


Figure 5-1. Post unloading

3. Since tape slack will occur when the post is unloaded, rotate the supply reel to wind up the tape.
   How to wind up the tape (see Figure 5-2)
   a. Insert the rubber side of the take-up jig to the cassette rid opening position from mechanism side.
   b. Turn the flange of the supply reel in the direction of winding to eliminate the tape slack. (Take care not to damage the tape in the process.)

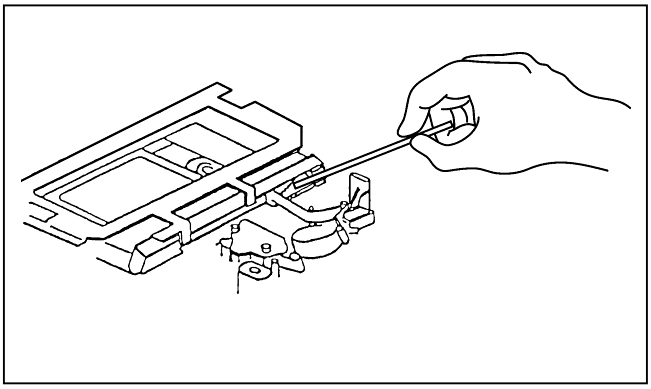


Figure 5-2. Rotate the S Reel

4. Repeat item 2 and 3 until the tape wound up completely inside of the cassette.
5. When the tape is completely gotten inside of the cassette, rotate the red screw in front of the worm gear of the cassette down motor clockwise by a philips-head screwdriver pushing the screw. Remove the cassette with care not to pinch the tape by cassette rid when it is closed.

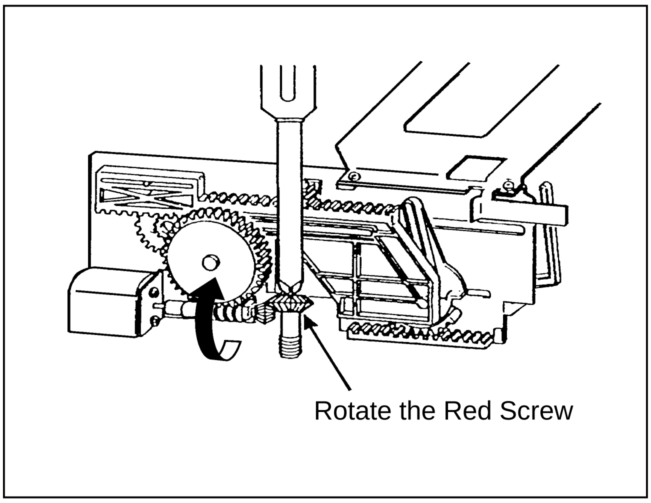


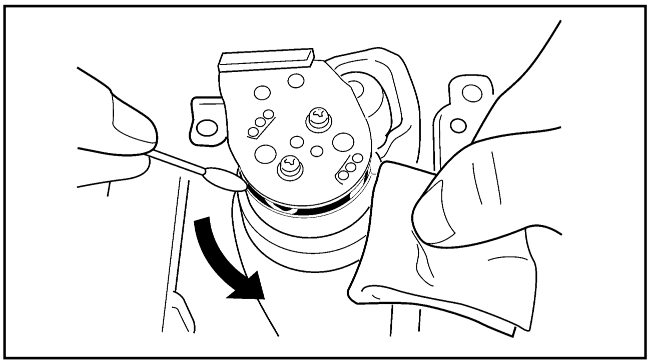
Figure 5-3. Cassette unloading

6. Cleaning Method

Note: Turn the power OFF during cleaning.
Make sure the power is OFF before cleaning. Use ethanol (more than 99% purity) as cleaning liquid.

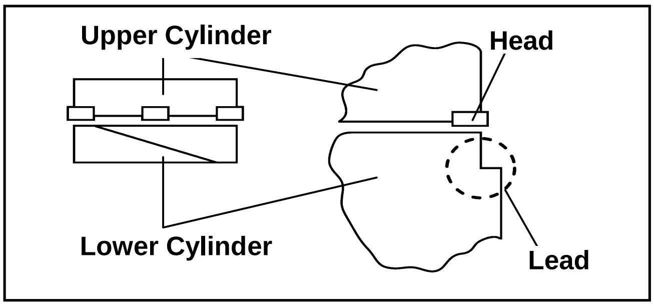
6-1. Cylinder Head Cleaning Method: (Daily)

1. Turn power off.
2. Dip cloth into De-natural Alcohol.
3. Press cleaning cloth gently against Cylinder Head. Using an applicator on the top edge of the Upper Cylinder, rotate the Cylinder counter-clockwise several times to clean.
4. Repeat cleaning procedure until all residue is removed from Cylinder Head.



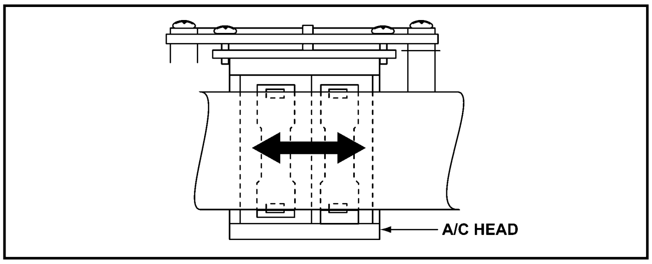
6-2. Cylinder Lead Cleaning Method: (Weekly)

Don’t touch a head chip. Clean the drum lead with a pick.



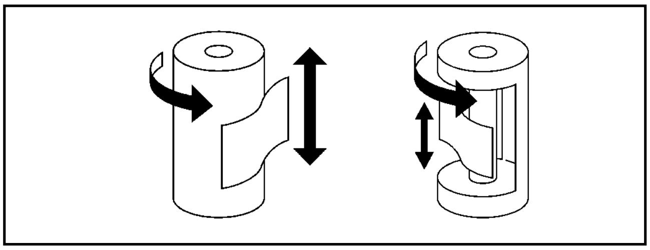
6-3. A/C Head Cleaning Method: (Weekly)

Wipe the A/C head with a cloth dipped in cleaning liquid. Wipe again with a dry cloth.



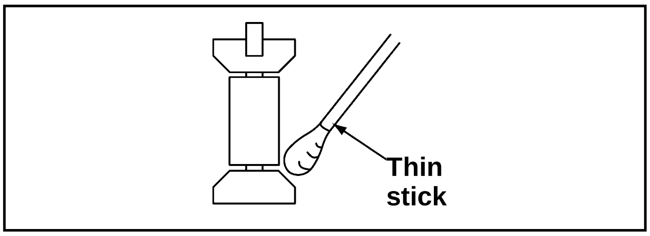
6-4. Pinch Roller and Capstan Shaft Cleaning Method: (Weekly)

Wipe the Pinch Roller and Capstan with a cloth dipped in cleaning liquid.



6-5. Post Cleaning Method: (Weekly)

Wind a cloth on a pick. Wipe each posts with that pick. Wipe again with a dry cloth. For metal posts wipe with a cloth dipped in cleaning liquid. Then wipe it again with dry cloth.



Notes :
Use the clean cloth for cleaning purpose. Do not use any dirty cloth.

The cleaning cloth can be ordered as spare parts.

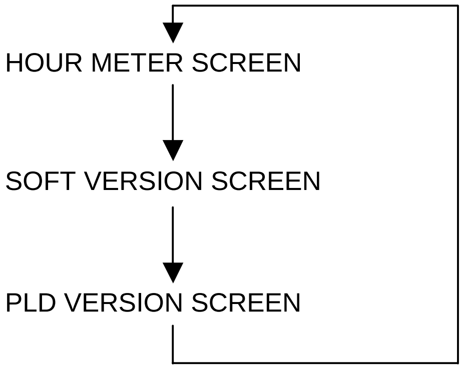
The part number is indicated as below.

CLEANING CLOTH : VZZ0095

7. SOFTWARE VERSION DISPLAY

7-1. SOFTWARE & PLD VERSION could be displayed on the VIDEO SUPER OUT.

1. Turn on the power.
2. Press the STOP , EJECT and DIAG button simultaneously, then the HOUR METER display is shown on the monitor.
3. PUSH Search button in order to change the screen as below ;



```
DIAG-MENU     SOFT VERSION
*  SYSAV        n1.02
   SERVO        n1.02
   DV            1.02
   D-I/F        n1.02
   I/F          n1.02

( "D-I/F" is not displayed if IEE1394
board is not installed.)
```

Figure 7-1-1

DIAG-MENU PLD VERSION

*	F1	AUDIO	VSI*****
	F2A	V IN	VSI*****
	F2B	A PROC	VSI*****
	F3A	SDI	VSI*****
	F3B	D-I/F	VSI*****
	F4	REC PB	VSI*****
	F5	V OUT	VSI*****
	F6	SYSCON	VSI*****
	F7	SERVO	VSI*****

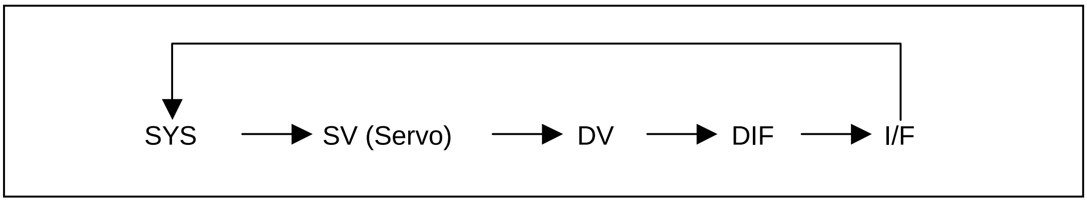
Figure 7-1-2

4. Rotate Search Dial to move the position of **" * "** mark so that the display (SOFTWARE VERSION & PLD VERSION) on the front panel is changed.

7-2. SOFTWARE VERSION & CHECK SUM could be displayed on the counter display (Front Panel)

7-2-1. SOFTWARE VERSION

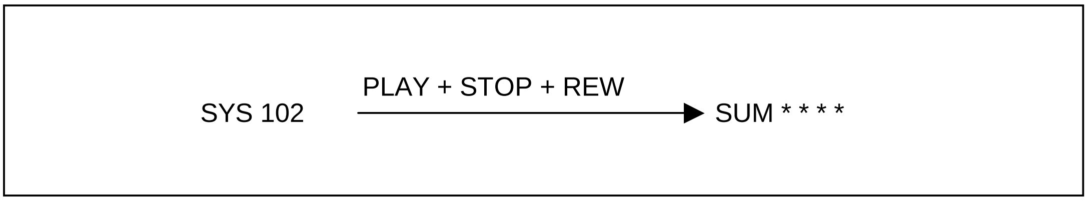
1. Press the **“PLAY”** and **“STOP”** button simultaneously, then software version is displayed on the front panel.
2. Press the **“PLAY”** button together with **“STOP”** button so that the each item of software version is displayed step by step. (refer to below)



(**“DIF”** is not displayed if IEE1394 board is not installed.)

7-2-2. CHECK SUM

1. SOFTWARE VERSION is displayed when press the PLAY and STOP button simultaneously.
2. Press REW button in addition to the PLAY and STOP button so that the CHECK SUM of the software is displayed.



8. ERROR RATE DISPLAY

Condition : 1) Set to Service menu.
2) Set the TCG SW to INT REGEN or INT PRESET.

The error rate is displayed on the AUDIO LEVEL METER in Service menu mode.
(When enters in Service menu mode, the AUDIO LEVEL METER changes into the error display mode automatically.)

1.

DVCPRO 50	PB HEAD
DVCPRO 25	PB HEAD
DV	RP HEAD

The error rate is displayed and measured on the AUDIO LEVEL METER at the first page (main screen) of Service menu mode (refer to figure 8-1)

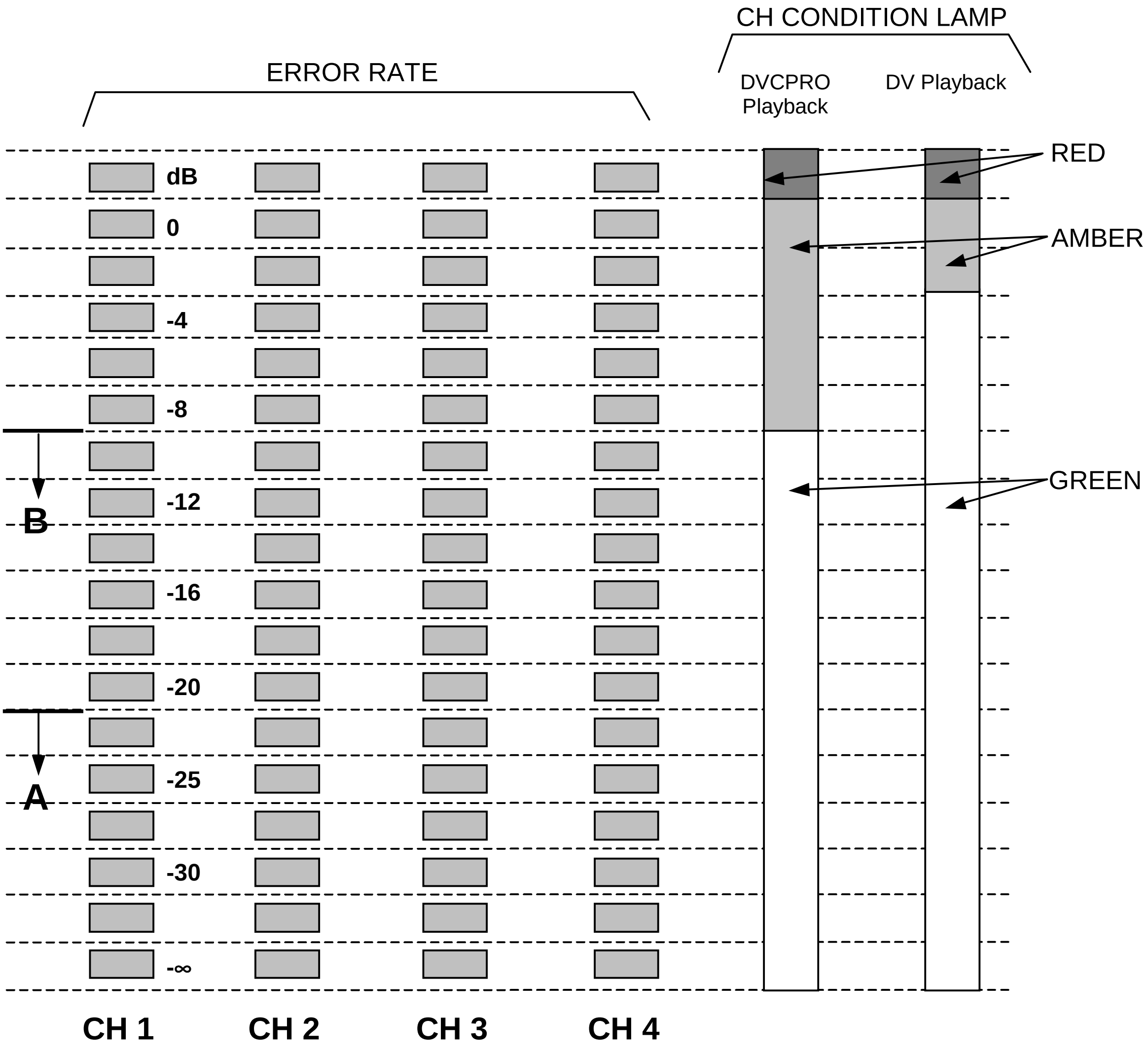
```
SERVICE-MENU
              NO. AOO
*A00 : SERVO ADJUST
 B00 : RF ADJUST
 C00 : VIN ADJUST
 D00 : VOUT ADJUST
 F00 : VIDEO ADJUST
 G00 : AUDIO ADJUST
 H00 : OTHER ADJUST
 IOO : BACKUP RAM INIT
 END
```

Figure 8-1

2. DVCPRO 50 / DVCPRO 25 : RP HEAD

   1) Enter into the RF adjustment menu and select RP HEAD.
   2) The error rate is displayed on the AUDIO LEVEL METER.

3. Specification of Error Rate


CH CONDITION LAMP
ERROR RATE
DVCPRO Playback
DV Playback
dB
0
-4
-8
-12
-16
-20
-25
-30
-∞
B
A
RED
AMBER
GREEN
CH 1
CH 2
CH 3
CH 4

DVCPRO50/DVCPRO25

ATF HEAD	TCG SW	CH 1	CH 2	CH 3	CH 4
PB	INT REGEN	PBL1 VIDEO	PBL2 VIDEO	PBR1 VIDEO	PBR2 VIDEO
	INT PRESET	PBL1 AUDIO	PBL2 AUDIO	PBR1 AUDIO	PBR2 AUDIO
RP	INT REGEN	RPL1 VIDEO	RPL2 VIDEO	RPR1 VIDEO	RPR2 VIDEO
	INT PRESET	RPL1 AUDIO	RPL2 AUDIO	RPR1 AUDIO	RPR2 AUDIO

DV

ATF HEAD	TCG SW	CH 1	CH 2	CH 3	CH 4
RP	INT REGEN	RPL1 VIDEO	RPL2 VIDEO	RPR1 VIDEO	RPR2 VIDEO
	INT PRESET	RPL1 AUDIO	RPL2 AUDIO	RPR1 AUDIO	RPR2 AUDIO

TCG SW

INT REGEN	VIDEO Error rate is displayed
INT PRESET	AUDIO Error rate is displayed

Specification of Error Rate

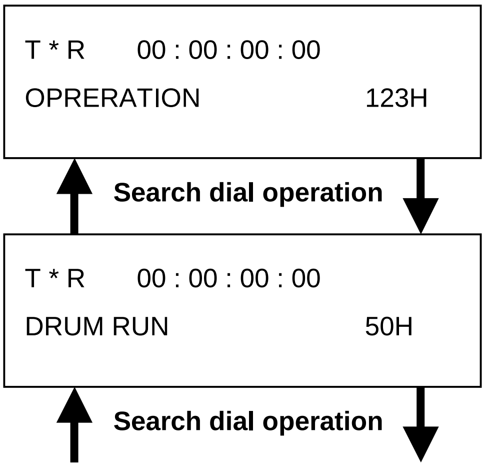
	VTR mode	Specification of Error Rate
DVCPRO (PB)	DVCPRO (PB Head) alignment tape playback	Under the “A” position at level meter
DV (R/P)	DV (RP Head) Alignment tape playback	Under the “A” position at level meter
DVCPRO (Confi)	DVCPRO confidence playback (REC mode)	Under the “B” position at level meter

9. HOUR METER DISPLAY

1. Push the **“DIAG”** button.
2. Push the search button under the condition that **“DIAG-MENU”** is displayed on the Video Monitor.
3. Hour meter is displayed on the Video Monitor and Counter Display (Front Panel).
4. The hour meter of each item can be confirmed by turning search dial by the Counter Display (Front Panel).

```
DIAG-MENU        HOURS METER
  Ser   0000000001
 *H00   OPERATION     10000H
  H01   DRUM RUN      20000H
  H02   TAPE RUN      30000H
  H03   THREADING     40000T
  H04   F LOADING     40000T
  H11   DRUM RUN r    20000H
  H12   TAPE RUN r    30000H
  H13   THREADING r   40000T
  H14   F LOADING r   40000T
 END
```

VIDEO MONITOR



```
T * R      00 : 00 : 00 : 00
OPRERATION                  123H
```

```
T * R      00 : 00 : 00 : 00
DRUM RUN                     50H
```

Counter display (Front Panel)

<< How to reset Hours meter >>

1. Eject the cassette tape.
2. Push EJECT, STOP and DIAG button simultaneously.
3. After the following figure is displayed, move **“ * ”** to the item to reset by rotating Search Dial. (Only H11 – H14 with **“ r ”** can be reset.)
4. Push **“RESET“** button to display the figure shown right below.
5. Push **“PLAY”** button to format the selected item.

```
DIAG-MENU        HOURS METER
  Ser   0000000001
  H00   OPERATION     10000H
  H01   DRUM RUN      20000H
  H02   TAPE RUN      30000H
  H03   THREADING     40000T
  H04   F LOADING     40000T
 *H11   DRUM RUN r    20000H
  H12   TAPE RUN r    30000H
  H13   THREADING r   40000T
  H14   F LOADING r   40000T
 END
```

→

```
HOURS METER INIT SET


  DRUM RUN r OK?
    YES<PLAY >/NO<STOP>
```

10. TP & MAIN SIGNAL FOR TAPE PATH CONFIRMATION

TP6301	R/P-L-ENVELOPE Signal (F8 : RF Board)
TP233	R/P-L-HSW Signal (F7 : SERVO Board)

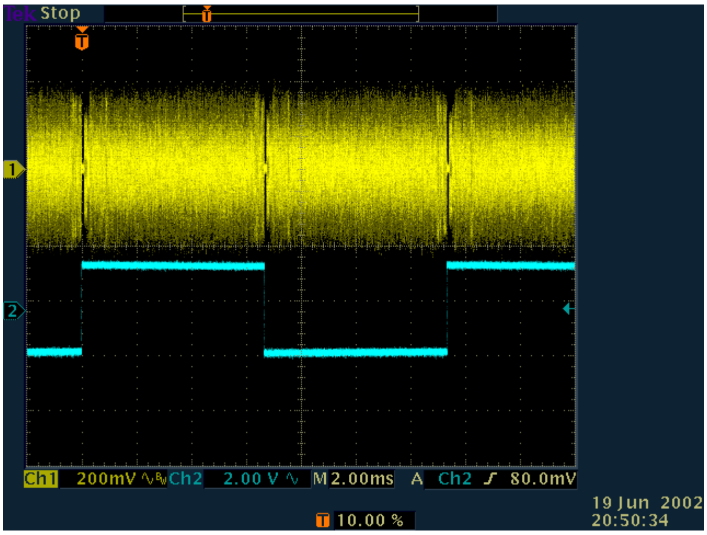


Figure 10-1

TP5301	PB-L-ENVELOPE Signal (F8 : RF Board)
TP232	PB-L-HSW Signal (F7 : SERVO Board)

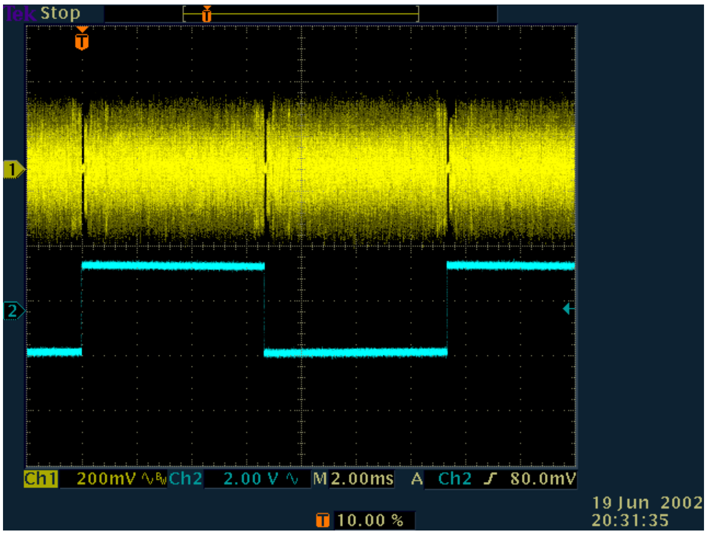


Figure 10-2

TP6301	R/P-L-ENVELOPE Signal (F8 : RF Board)
TP233	R/P-L-HSW Signal (F7 : SERVO Board)
TP30	CTL Signal (F7 : SERVO Board)
TP200	CUE Signal (F1 : AUDIO Board)

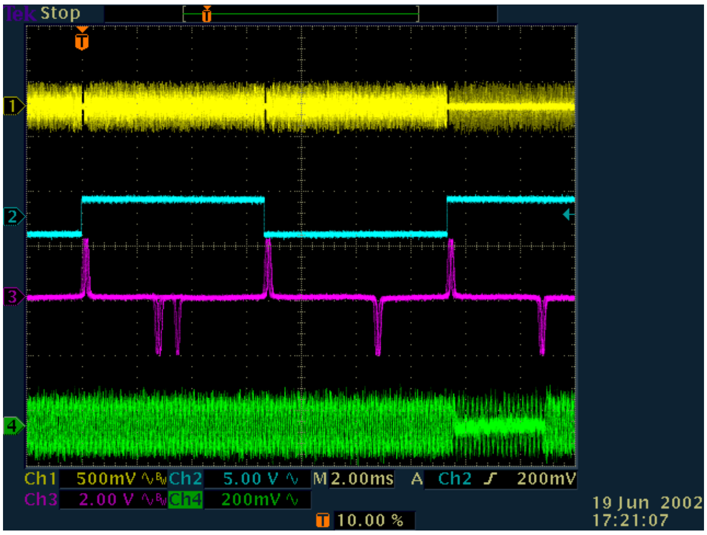
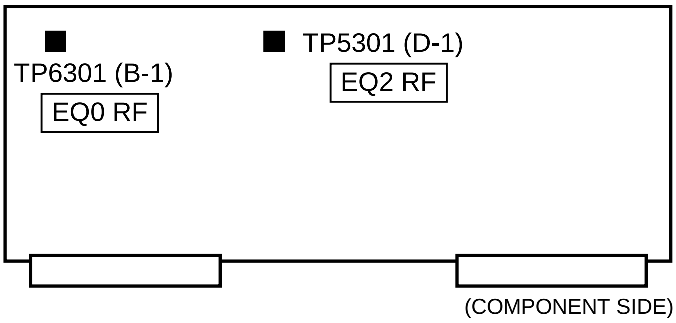
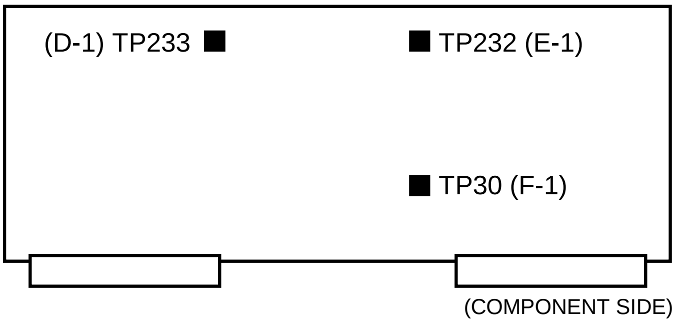


Figure 10-3 for A/C HEAD Horizontal position

F8: RF Board


TP6301 (B-1)
EQ0 RF
TP5301 (D-1)
EQ2 RF
(COMPONENT SIDE)

F7: SERVO Board


(D-1) TP233
TP232 (E-1)
TP30 (F-1)
(COMPONENT SIDE)

F1: AUDIO Board

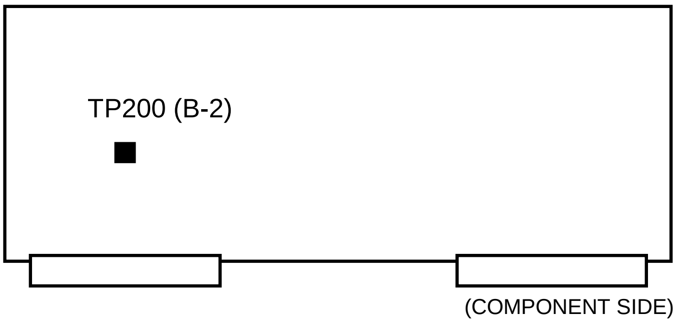
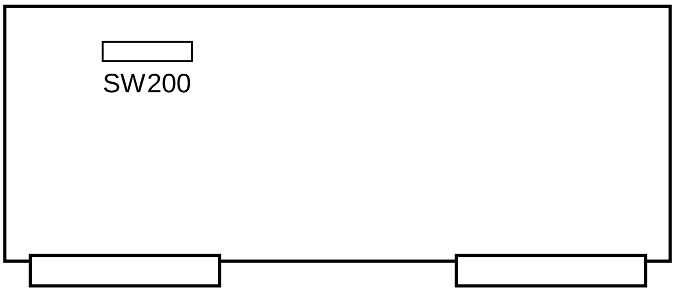

TP200 (B-2)
(COMPONENT SIDE)

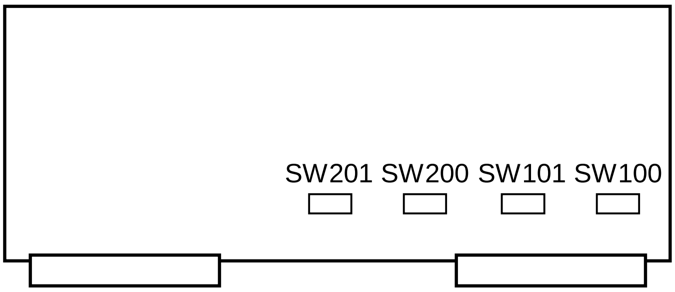
Figure 10-4

< LOCATION OF INTERNAL SW >

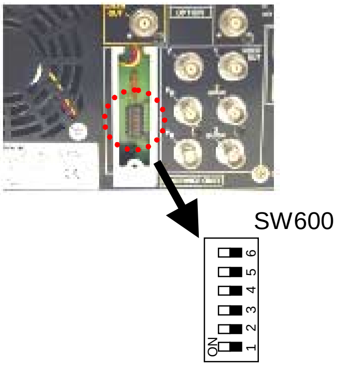
F6: SYSCON Board



F1: AUDIO Board


SW201
SW200
SW101
SW100

Rear Jack Panel (AV JACK)


SW600
ON
1
2
3
4
5
6

11. INTERNAL SWITCH SETTING METHOD

The switches setting on each circuit board are shown below.

<table>
<tr><th>BOARD</th><th>Ref No</th><th>SW</th><th>FACTORY SETTING</th><th>FEATURE</th></tr>
<tr><td rowspan="4">F1: AUDIO</td><td>SW100</td><td></td><td>HIGH</td><td>Audio input impedance setting (600Ω/ HIGH) for CH1</td></tr>
<tr><td>SW101</td><td></td><td>HIGH</td><td>Audio input impedance setting (600Ω/ HIGH) for CH2</td></tr>
<tr><td>SW200</td><td></td><td>HIGH</td><td>Audio input impedance setting (600Ω/ HIGH) for CH3</td></tr>
<tr><td>SW201</td><td></td><td>HIGH</td><td>Audio input impedance setting (600Ω/ HIGH) for CH4</td></tr>
<tr><td rowspan="8">F6: SYSCON</td><td rowspan="8">SW200</td><td>1</td><td>625 model : OFF
525 model : ON</td><td>OFF: 625 mode
ON: 525 mode</td></tr>
<tr><td>2</td><td>-----</td><td>OFF: for AJ-SD930T/P/E, D930MC, SD955E, D955MC
ON: for AJ-SD955AP (switchable model)</td></tr>
<tr><td>3</td><td>OFF</td><td>NOT USED</td></tr>
<tr><td>4</td><td>OFF</td><td>OFF: normal
ON: Factory use</td></tr>
<tr><td>5</td><td>OFF</td><td>OFF: normal
ON: Factory use</td></tr>
<tr><td>6</td><td>OFF</td><td>OFF: normal mode
ON: Test mode
<INNER/OUTER/CONCEAL>
DIPSW6 ON & TC SW=TC
→INNER/OUTER/CONCEAL=ON/OFF/OFF
DIPSW6 ON & TC SW=CTL
→INNER/OUTER/CONCEAL=OFF/OFF/OFF
DIPSW6 ON & TC SW=UB
→INNER/OUTER/CONCEAL=ON/ON/OFF
DIPSW6 OFF & Don’t Care
→INNER/OUTER/CONCEAL=ON/ON/ON</td></tr>
<tr><td>7</td><td>OFF</td><td>HEAD SELECT for Error rate checking.
DIPSW 6/7= ON/OFF→HEAD SELECT = PB SELECT
ON/ON→HEAD SELECT=RP SELECT</td></tr>
<tr><td>8</td><td>OFF</td><td>SLOW/FAST MODE SW for Error rate checking
DIPSW 6/8= ON/OFF→FAST MODE
ON/ON→SLOW MODE</td></tr>
<tr><td>AV JACK</td><td>SW600</td><td colspan="3">There are 2 ways to select the PLD when the software is updated as follows;
(1) Selection by Service Menu (refer to INF-25)
(2) Selection by SW600
The selection by Service Menu is recommended.
However the selection by SW600 is useful when the selection by Service Menu can not be done. For example, if the software upgrade of PLD of V OUT P.C.B. (REC/PB P.C.B.) is not completed well, PLL circuit doesn’t work well.
Hence Service Menu doesn’t become available. In this case, try the software version up of PLD by selecting SW600.
<table>
<tr><th></th><th>SW1</th><th>SW2</th><th>SW3</th><th>SW4</th><th>SW5</th><th>SW6</th></tr>
<tr><td>PLD is selected by Service Menu. (Factory setting)</td><td>OFF</td><td>---</td><td>OFF</td><td>OFF</td><td>OFF</td><td>OFF</td></tr>
<tr><td>PLD on (F2A) V IN is selected</td><td>ON</td><td>---</td><td>ON</td><td>OFF</td><td>OFF</td><td>OFF</td></tr>
<tr><td>PLD on (F2B) A PROC is selected</td><td>ON</td><td>---</td><td>ON</td><td>OFF</td><td>OFF</td><td>ON</td></tr>
<tr><td>PLD on (F3B) SDTI/1394 is selected</td><td>ON</td><td>---</td><td>ON</td><td>OFF</td><td>ON</td><td>OFF</td></tr>
<tr><td>PLD on (F4) REC PB is selected</td><td>ON</td><td>---</td><td>ON</td><td>OFF</td><td>ON</td><td>ON</td></tr>
<tr><td>PLD on (F5) V OUT is selected</td><td>ON</td><td>---</td><td>ON</td><td>ON</td><td>OFF</td><td>OFF</td></tr>
<tr><td>PLD on (F6) SYSCON is selected</td><td>ON</td><td>---</td><td>ON</td><td>ON</td><td>OFF</td><td>ON</td></tr>
<tr><td>PLD on (F1) AUDIO is selected</td><td>ON</td><td>---</td><td>ON</td><td>ON</td><td>ON</td><td>OFF</td></tr>
<tr><td>PLD on (F7) SERVO is selected</td><td>ON</td><td>---</td><td>ON</td><td>ON</td><td>ON</td><td>ON</td></tr>
<tr><td>PLD on (F3A) SDI is selected</td><td>ON</td><td>---</td><td>OFF</td><td>ON</td><td>ON</td><td>ON</td></tr>
</table>
* FACTORY Setting of SW2 is also OFF.</td></tr>
</table>

* Location of internal SW is described in previous page.

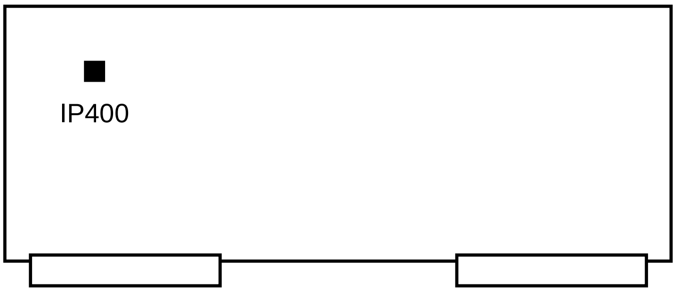
12. SOFTWARE VERSION UPGRADE METHOD

12-1. Microcomputer (FLASH) /PLD Chart

Circuit board name	Name	Ref. No.	PLD maker
F1 : AUDIO	AVCNT_FPGA	IP400 (ROM for FPGA)	ALTERA
F2A : V IN	DEC_CTRL_FPGA	IP950 (ROM for FPGA)	ALTERA
F2B : A PROC	DIFCNT_FPGA	IP351 (ROM for FPGA)	ALTERA
	PCMCNT_FPGA		
F3A : SDI	SDI_PROC_FPGA	IP503 (ROM for FPGA)	XILINX
F4 : REC PB	DV_PROC_FPGA	IP16 (ROM for FPGA)	ALTERA
	IO_VBLK_FPGA		
	RF_PROC_FPGA	IP17 (ROM for FPGA)	ALTERA
	DV_ Microcomputer (FLASH)	IP841	MITSUBISHI
F5 : V OUT	TBC_CTRL_FPGA	IP10 (ROM for FPGA)	ALTERA
	ENC_CTRL_FPGA	IP18 (ROM for FPGA)	ALTERA
F6 : SYSCON	SYSIF_CTRL_FPGA	IP1300 (ROM for FPGA)	ALTERA
	AVSYS_ Microcomputer (FLASH)	IP700	MITSUBISHI
	I/F_ Microcomputer (FLASH)	IP200	MITSUBISHI
F7 : SERVO	CTL/Mechacon PLD	IP300	ALTERA
	SERVO_ Microcomputer (FLASH)	IP201	MEC

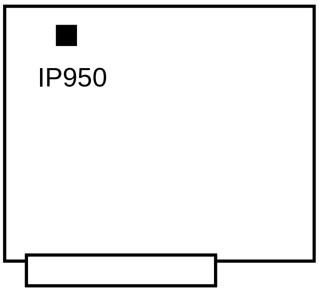
▨ : FLASH

F1: AUDIO Board



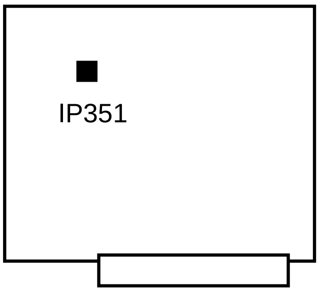
(COMPONENT SIDE)

F2A: V_IN Board



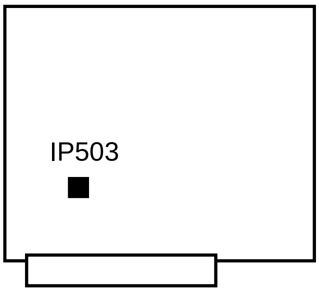
(COMPONENT SIDE)

F2B: A_PROC Board



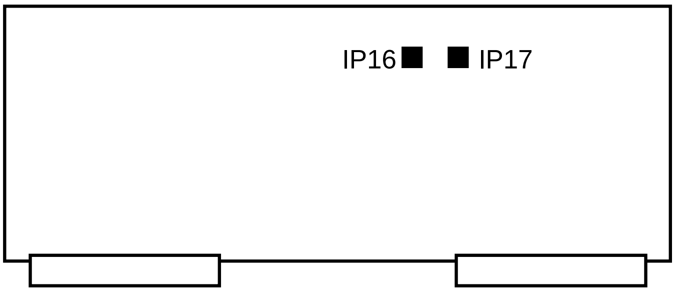
(COMPONENT SIDE)

F3A: SDI Board



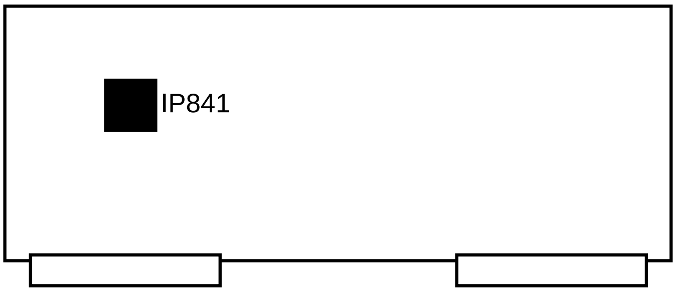
(COMPONENT SIDE)

F4: REC_PB Board



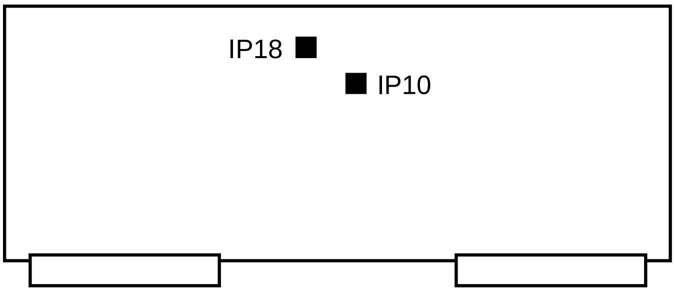
(COMPONENT SIDE)

F4: REC_PB Board



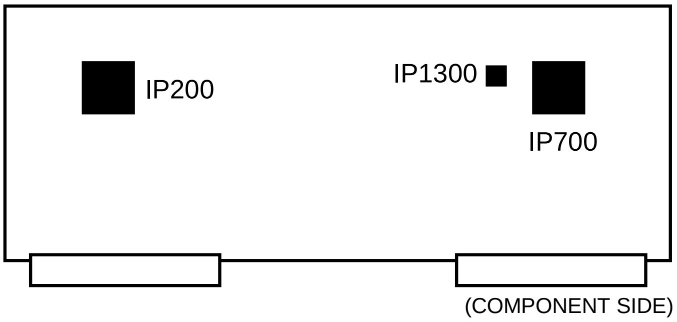
(FOIL SIDE)

F5: V_OUT Board

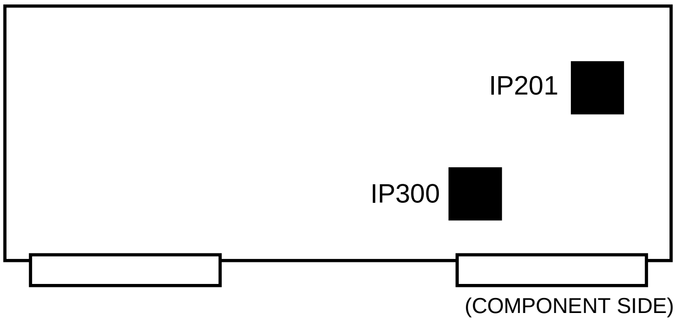


(COMPONENT SIDE)

F6: SYSCON Board


IP200
IP1300
IP700
(COMPONENT SIDE)

F7: SERVO Board


IP201
IP300
(COMPONENT SIDE)

12-2. Flash ROM Software Version Up Procedure

Connect the VTR with personal computer by RS232C cable (Cross cable) as below. No Hardware tool is required to proceed this version up. (Just software tool is required)

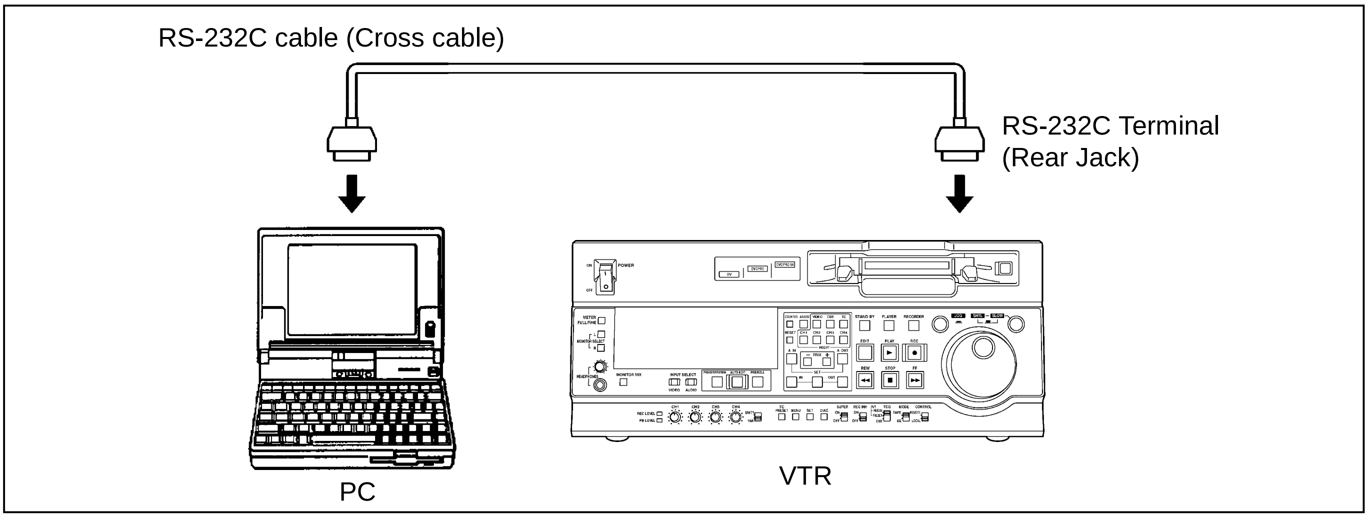

RS-232C cable (Cross cable)
RS-232C Terminal
(Rear Jack)
PC
VTR

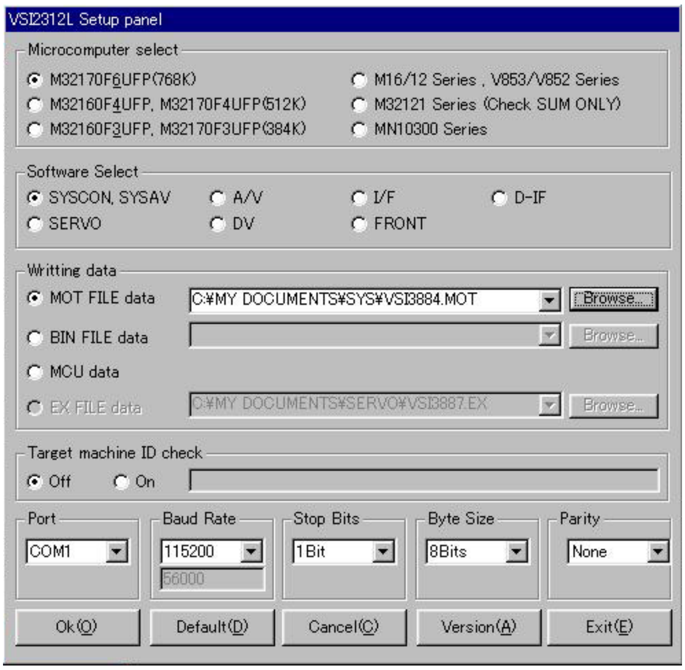
Figure A

1. Prepare a personal computer (Windows95 or 98)
2. Install the version up software VFK**** into the personal computer.
   VFK**** consist of following 4 types of software.

   f_servo.obf
   FW103u.exe
   VSI2312L.exe
   Setting ini

12-2-1. SYSAV, DV and I/F software (Flash ROM).

1. Copy the program software (SYSAV or DV or I/F:VSIXXX.mot) into the personal computer.
2. Turn on the VTR power.
3. Excute the VSI2312L. exe so that the following screen appears.


VSI2312L Setup panel
Microcomputer select
Software Select
Writting data
Target machine ID check
Port
Baud Rate
Stop Bits
Byte Size
Parity
Browse...
Ok(O)
Default(D)
Cancel(C)
Version(A)
Exit(E)

Microcomputer select:
- ● M32170F6UFP(768K)
- ○ M32160F4UFP, M32170F4UFP(512K)
- ○ M32160F3UFP, M32170F3UFP(384K)
- ○ M16/12 Series , V853/V852 Series
- ○ M32121 Series (Check SUM ONLY)
- ○ MN10300 Series

Software Select:
- ● SYSCON, SYSAV
- ○ SERVO
- ○ A/V
- ○ DV
- ○ I/F
- ○ FRONT
- ○ D-IF

Writting data:
- ● MOT FILE data: C:¥MY DOCUMENTS¥SYS¥VSI3884.MOT
- ○ BIN FILE data
- ○ MCU data
- ○ EX FILE data: C:¥MY DOCUMENTS¥SERVO¥VSI3887.EX

Target machine ID check: ● Off ○ On

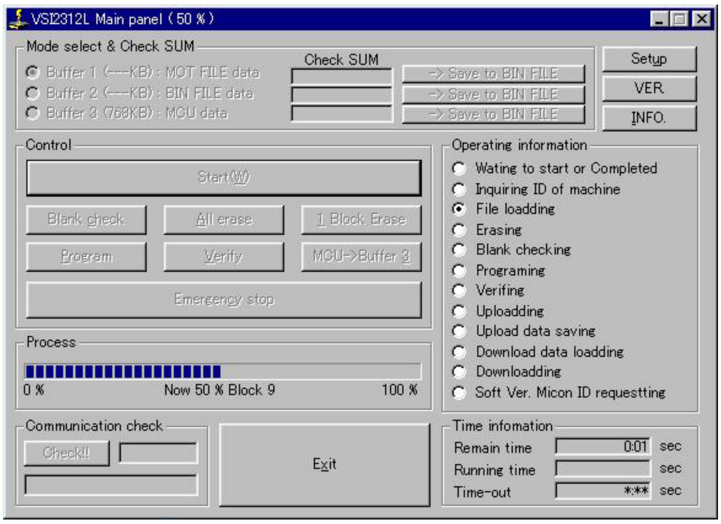
Port: COM1
Baud Rate: 115200 (56000)
Stop Bits: 1Bit
Byte Size: 8Bits
Parity: None

Figure 1

4. Select the each item as below;

Microcomputer select	SYSAV, I/F→M32170F6UFP (768K) DV→M32160F4UFP, M32170F4UFP (512K)
Software select	Target software (SYSAV or DV or I/F)
Writing data	MOT FILE data→ Select the program software (VSIXXX.mot) which was copied at item 1).
Target machine ID check	Off (default)
Port	COM1
Baud Rate	115200
STOP Bits	1 Bit (default)
Byte Size	8 Bits (default)
Parity	None (default)

5. Press **“OK”** button so that the following screen appears and Check sum is calculated. (refer to figure 2)


VSI2312L Main panel (50 %)
Mode select & Check SUM
Check SUM
-> Save to BIN FILE
-> Save to BIN FILE
-> Save to BIN FILE
Setup
VER
INFO.
Control
Start(W)
Blank check
All erase
1 Block Erase
Program
Verify
MCU->Buffer 3
Emergency stop
Process
Operating information
Communication check
Check!!
Exit
Time infomation

Mode select & Check SUM:
- ● Buffer 1 (---KB) : MOT FILE data
- ○ Buffer 2 (---KB) : BIN FILE data
- ○ Buffer 3 (768KB) : MCU data

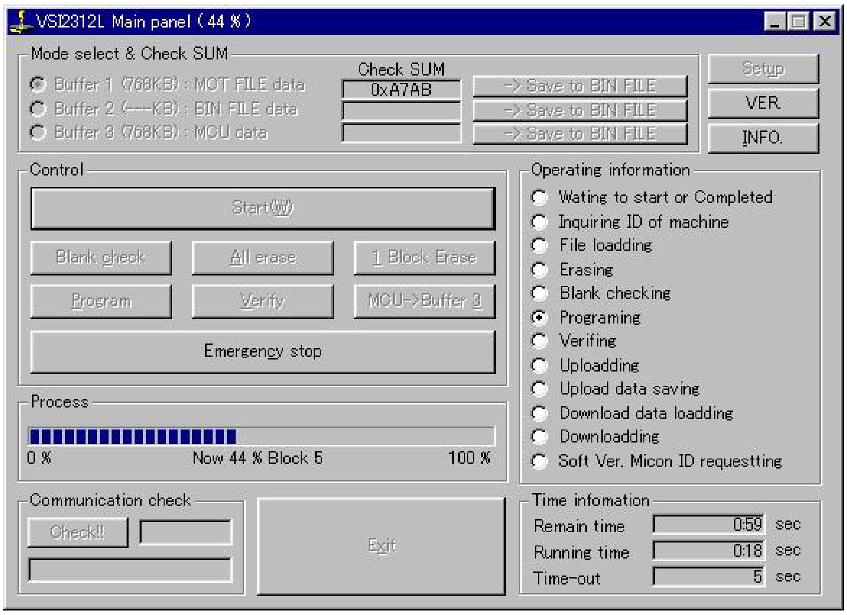
Operating information:
- ○ Wating to start or Completed
- ○ Inquiring ID of machine
- ● File loadding
- ○ Erasing
- ○ Blank checking
- ○ Programing
- ○ Verifing
- ○ Uploadding
- ○ Upload data saving
- ○ Download data loadding
- ○ Downloadding
- ○ Soft Ver. Micon ID requestting

Process: 0 % Now 50 % Block 9 100 %

Remain time 0:01 sec
Running time sec
Time-out *:** sec

Figure 2

6. Check sum is displayed upper side on the screen after the process of item 5).
7. Press **“Start”** button so that the software programming will start. (refer to figure 3)



VSI2312L Main panel (44 %)

Mode select & Check SUM

○ Buffer 1 (768KB) : MOT FILE data
○ Buffer 2 (---KB) : BIN FILE data
○ Buffer 3 (768KB) : MCU data

Check SUM: 0xA7AB

Operating information

○ Wating to start or Completed
○ Inquiring ID of machine
○ File loadding
○ Erasing
○ Blank checking
● Programing
○ Verifing
○ Uploadding
○ Upload data saving
○ Download data loadding
○ Downloadding
○ Soft Ver. Micon ID requestting

Process: 0 % Now 44 % Block 5 100 %

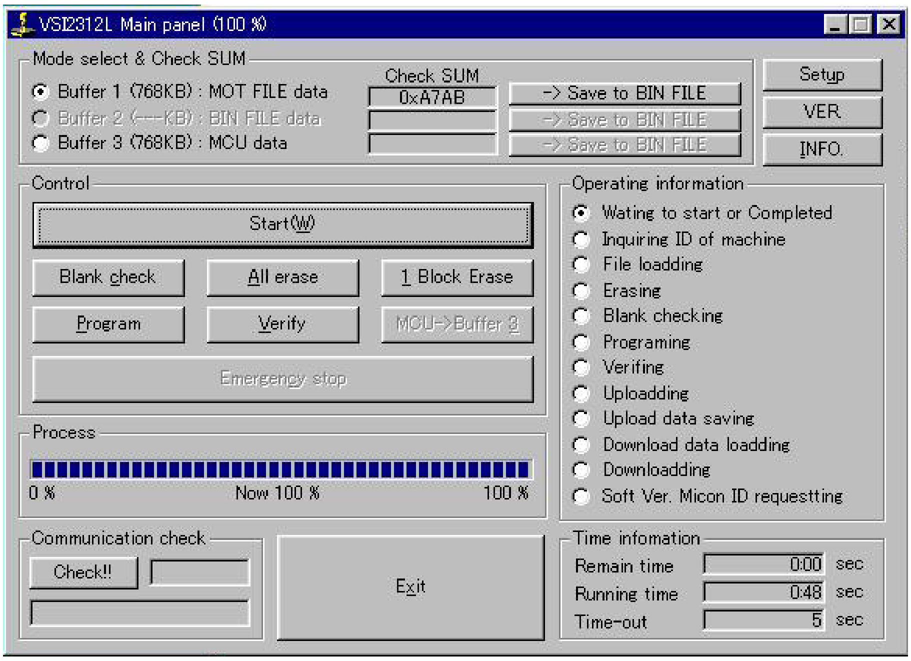
Time infomation

Remain time 0:59 sec
Running time 0:18 sec
Time-out 5 sec

-> Save to BIN FILE
-> Save to BIN FILE
-> Save to BIN FILE
Setup
VER.
INFO.
Control
Start(W)
Blank check
All erase
1 Block Erase
Program
Verify
MCU->Buffer 3
Emergency stop
Communication check
Check!!
Exit

Figure 3

8. Confirm the bar in the Process window reach to 100% that means the software programming complete. (refer to figure 4)



VSI2312L Main panel (100 %)

Mode select & Check SUM

● Buffer 1 (768KB) : MOT FILE data
○ Buffer 2 (---KB) : BIN FILE data
○ Buffer 3 (768KB) : MCU data

Check SUM: 0xA7AB

Operating information

● Wating to start or Completed
○ Inquiring ID of machine
○ File loadding
○ Erasing
○ Blank checking
○ Programing
○ Verifing
○ Uploadding
○ Upload data saving
○ Download data loadding
○ Downloadding
○ Soft Ver. Micon ID requestting

Process: 0 % Now 100 % 100 %

Time infomation

Remain time 0:00 sec
Running time 0:48 sec
Time-out 5 sec

-> Save to BIN FILE
-> Save to BIN FILE
-> Save to BIN FILE
Setup
VER.
INFO.
Control
Start(W)
Blank check
All erase
1 Block Erase
Program
Verify
MCU->Buffer 3
Emergency stop
Communication check
Check!!
Exit

Figure 4

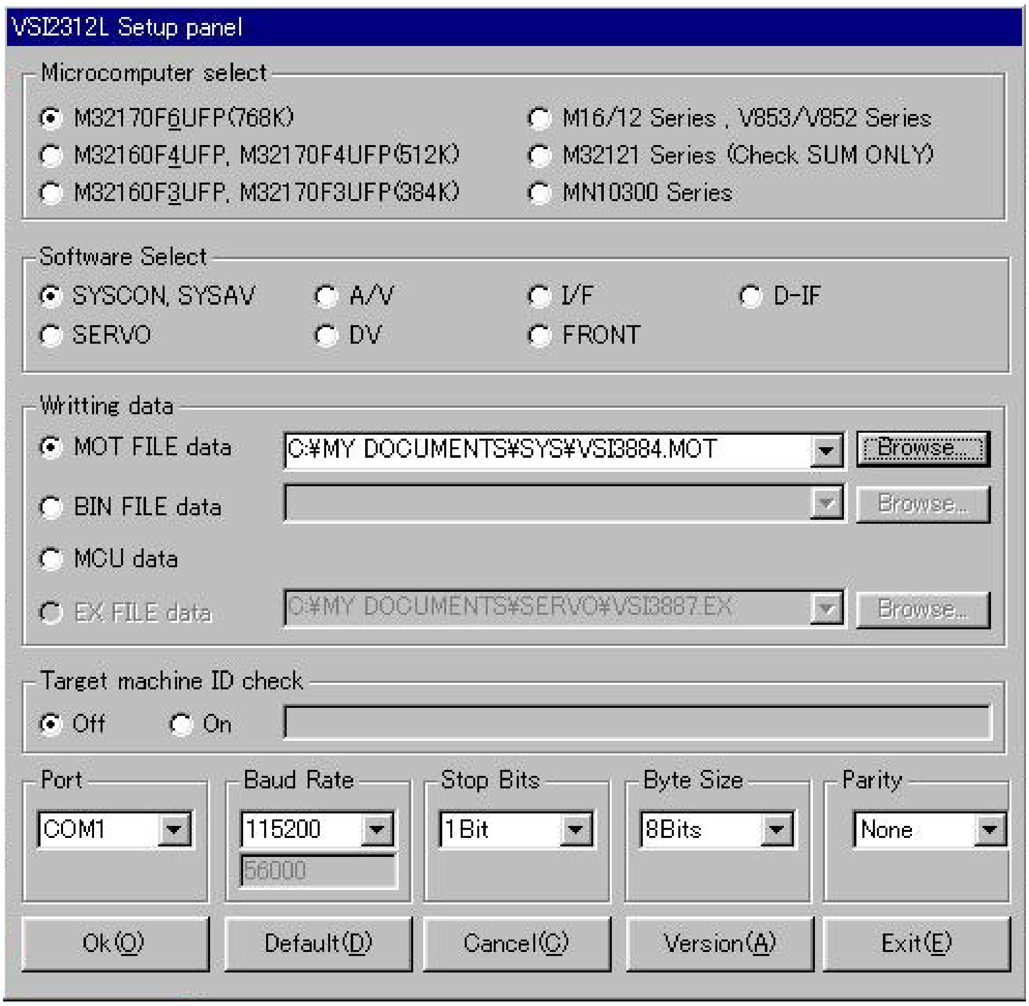
9. Press **“Exit”** button to end the program.

* If the error occurs during above process, repeat the process from item 7).

10. Turn off and on the power of VTR in order to reboot the machine.
11. Confirm that software version is updated.

12-2-2. SERVO software (Flash ROM).

1. Copy the Servo program software (VSIXXX.ex) into the personal computer.
   For your reference, an extension of Servo program software is different from others such as SYSAV, DV and I/F.
2. Turn on the AJ-SD930/SD955 power.
3. Excute the VSI2312L. exe so that the following screen appears.



VSI2312L Setup panel

Microcomputer select
● M32170F6UFP(768K)
○ M32160F4UFP, M32170F4UFP(512K)
○ M32160F3UFP, M32170F3UFP(384K)
○ M16/12 Series , V853/V852 Series
○ M32121 Series (Check SUM ONLY)
○ MN10300 Series

Software Select
● SYSCON, SYSAV
○ A/V
○ I/F
○ D-IF
○ SERVO
○ DV
○ FRONT

Writting data
● MOT FILE data: C:¥MY DOCUMENTS¥SYS¥VSI3884.MOT
○ BIN FILE data
○ MCU data
○ EX FILE data: C:¥MY DOCUMENTS¥SERVO¥VSI3887.EX

Target machine ID check
● Off ○ On

Port: COM1
Baud Rate: 115200 (56000)
Stop Bits: 1Bit
Byte Size: 8Bits
Parity: None

Figure 1

4. Select the each item as below;

Microcomputer select	MN10300 Series
Software select	SERVO
Writing data	EX FILE data →Select the Servo program software (VSIXXX.ex) which was copied at item 1)
Target machine ID check	Off (default)
Port	COM1
Baud Rate	115200
STOP Bits	1 Bit (default)
Byte Size	8 Bits (default)
Parity	None (default)

5. Press **“OK”** button so that the following screen appears Check sum is not calculated. (refer to figure 5)

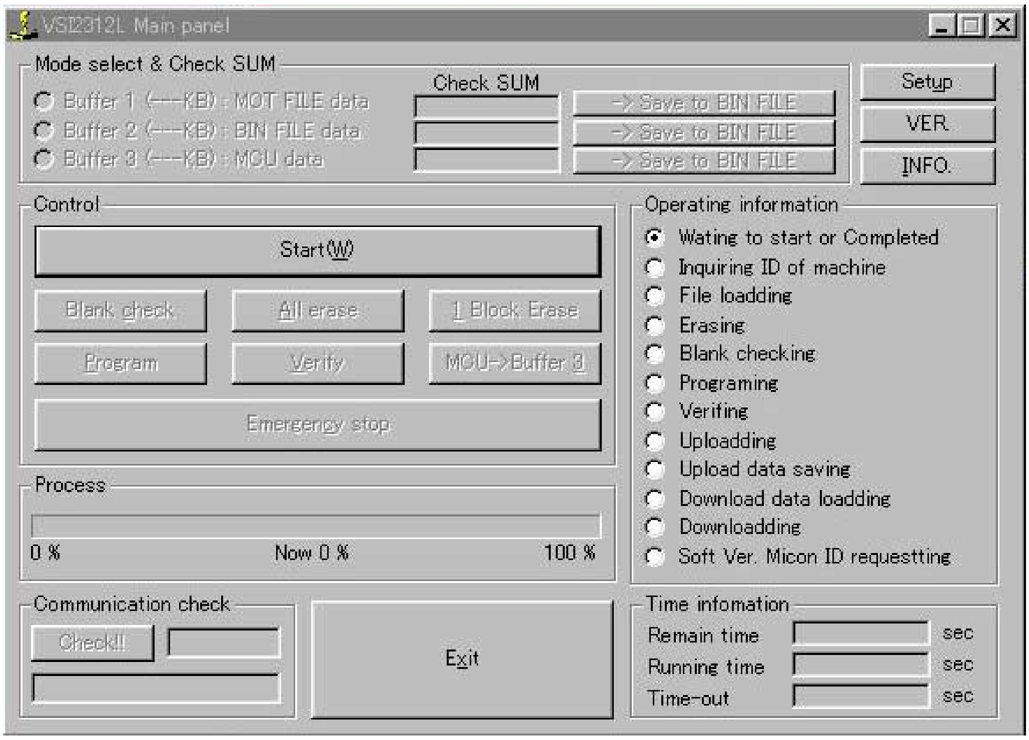
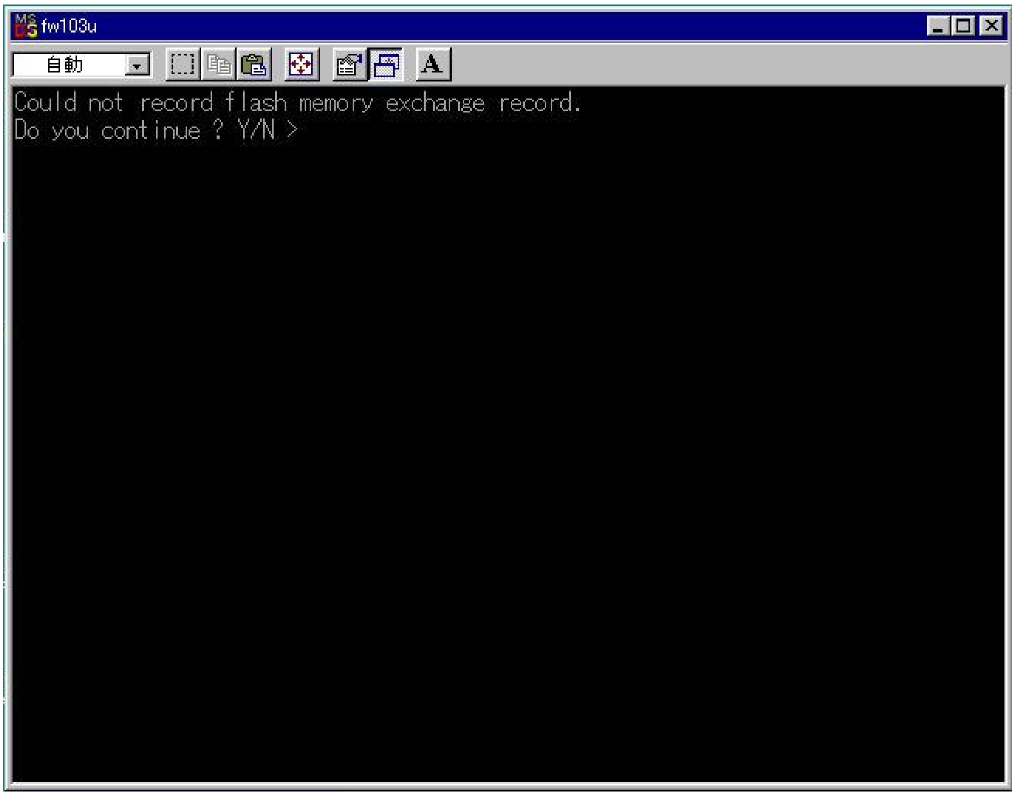

VSI2312L Main panel
Mode select & Check SUM
○ Buffer 1 (---KB) : MOT FILE data
○ Buffer 2 (---KB) : BIN FILE data
○ Buffer 3 (---KB) : MCU data
Check SUM
-> Save to BIN FILE
-> Save to BIN FILE
-> Save to BIN FILE
Setup
VER
INFO.
Control
Start(W)
Blank check
All erase
1 Block Erase
Program
Verify
MCU->Buffer 3
Emergency stop
Process
0 %
Now 0 %
100 %
Operating information
● Wating to start or Completed
○ Inquiring ID of machine
○ File loadding
○ Erasing
○ Blank checking
○ Programing
○ Verifing
○ Uploadding
○ Upload data saving
○ Download data loadding
○ Downloadding
○ Soft Ver. Micon ID requestting
Communication check
Check!!
Exit
Time infomation
Remain time
sec
Running time
sec
Time-out
sec

Figure 5

6. Press **“Start”** button so that the following comment appears in the MS DOS screen. (refer to figure 6)

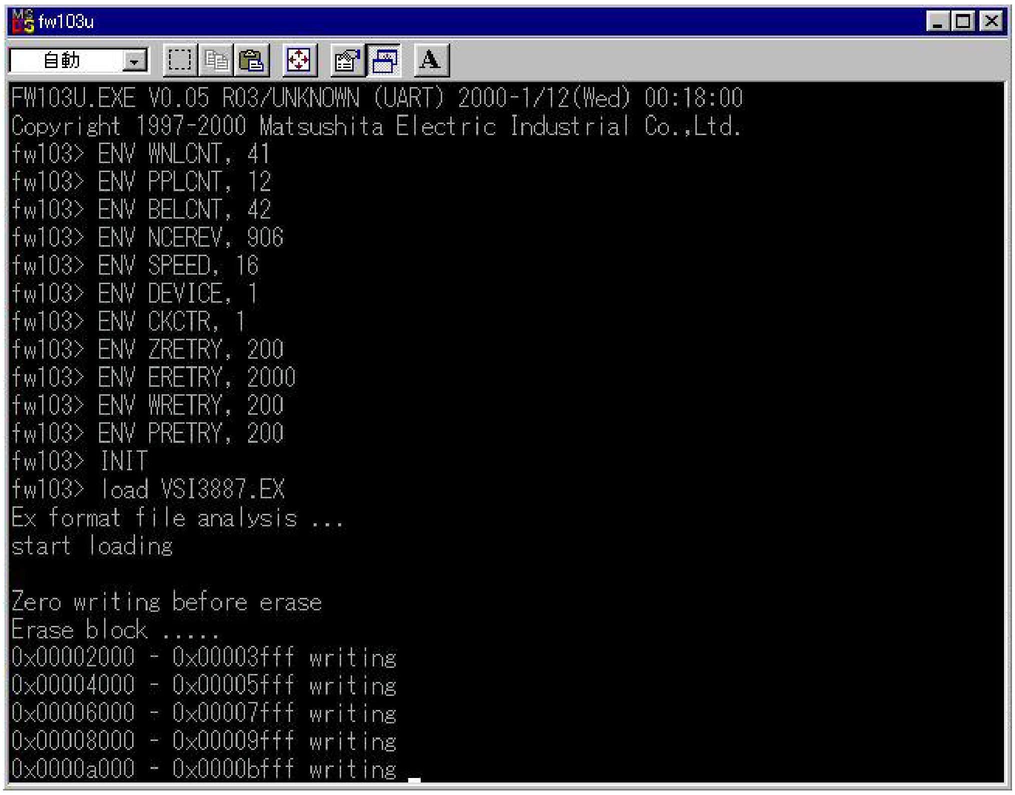
“Do you continue? Y/N>



```
Could not record flash memory exchange record.
Do you continue ? Y/N >
```

Figure 6

7. Select **“Y”** and press **“Enter”**, then the program will start. (refer to figure 7)



```
FW103U.EXE V0.05 R03/UNKNOWN (UART) 2000-1/12(Wed) 00:18:00
Copyright 1997-2000 Matsushita Electric Industrial Co.,Ltd.
fw103> ENV WNLCNT, 41
fw103> ENV PPLCNT, 12
fw103> ENV BELCNT, 42
fw103> ENV NCEREV, 906
fw103> ENV SPEED, 16
fw103> ENV DEVICE, 1
fw103> ENV CKCTR, 1
fw103> ENV ZRETRY, 200
fw103> ENV ERETRY, 2000
fw103> ENV WRETRY, 200
fw103> ENV PRETRY, 200
fw103> INIT
fw103> load VSI3887.EX
Ex format file analysis ...
start loading

Zero writing before erase
Erase block .....
0x00002000 - 0x00003fff writing
0x00004000 - 0x00005fff writing
0x00006000 - 0x00007fff writing
0x00008000 - 0x00009fff writing
0x0000a000 - 0x0000bfff writing _
```

Figure 7

8. The screen display of MS-DOS changes to Windows screen after the programming complete.
9. Press **“Exit”** button to end the program.
10. Turn off and on the power of VTR in order to reboot the machine.
11. Confirm that software is updated.

12-3. PLD Version Upgrade Procedure

This Model uses **PLDs**. At the time of a version upgrade, use the special tool, connect to PLD Connector on the rear panel, and use the PLD writing software. (Pleare refer to the Microcomputer / PLD chart (P18).

12-3-1. PLD Version up Method 1 (ALTERA)

A. Preparation

ITEM	REMARK
CPLD WRITER	VFK1590 VFK1590P2 (VFK1590 standard)
D-sub 25pin-25pin Cable	Straight (Male - Female), Length : Within 1meter
Version Upgrade Software	MAX+plus II Software ver9.6 or over ver9.6 (Please access to www.altera.com/support/software/download/sof-download_center.html) and select **"ASAP 2"** in programming software portion in order to download it.
File NAME	jcf File (Included in "vvvsi xxxx" file). (Copy all files of the VVVSI**** which is included " *.jct " file to floppy disk)
Personal Computer	WINDOWS 95® or 98®

B. Connection

1. Connect the D-sub Cable between CN201(for ALTERA) connector of the CPLD WRITER (VFK1590) and Personal Computer (Printer port).
2. Connect the CPLD WRITER Cable (VFK1590P2) between the connector at Rear Jack (refer to below) and P2 connector of CPLD WRITER. (Refer to Chart of PLD Writer and Figure 12-3-1.)
3. Turn on this model and Personal Computer (Windows mode).

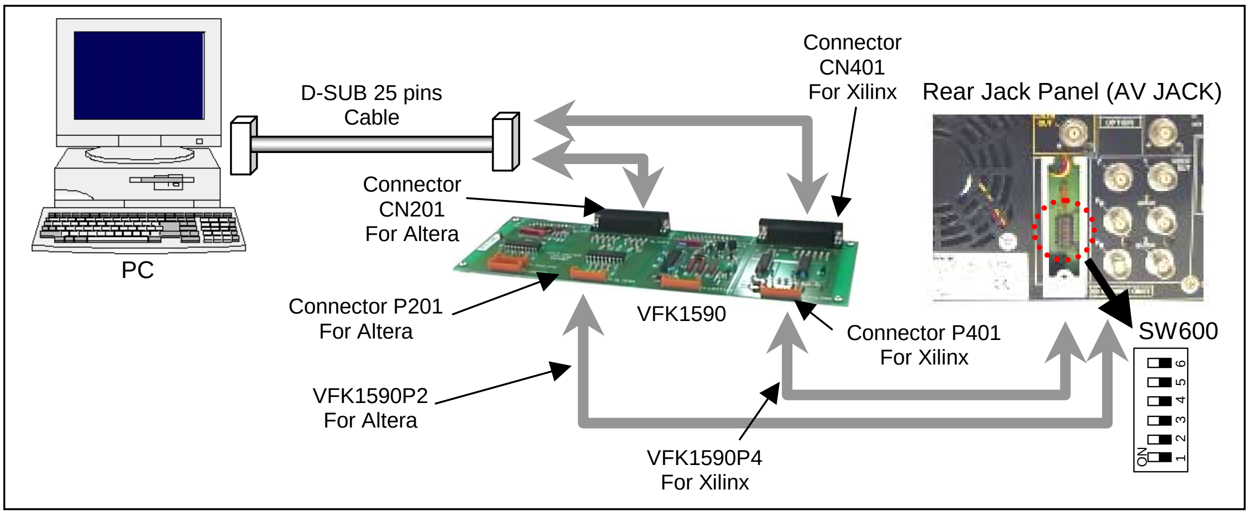

PC
D-SUB 25 pins Cable
Connector CN401 For Xilinx
Rear Jack Panel (AV JACK)
Connector CN201 For Altera
Connector P201 For Altera
VFK1590
Connector P401 For Xilinx
SW600
VFK1590P2 For Altera
VFK1590P4 For Xilinx
ON
1
2
3
4
5
6

Figure 12-3-1 Connection for CPLD writer

C. Menu Select

1. Target PLD is selected by H08: PLD WR SEL in Other in Service Menu (Refer to Figure 1).

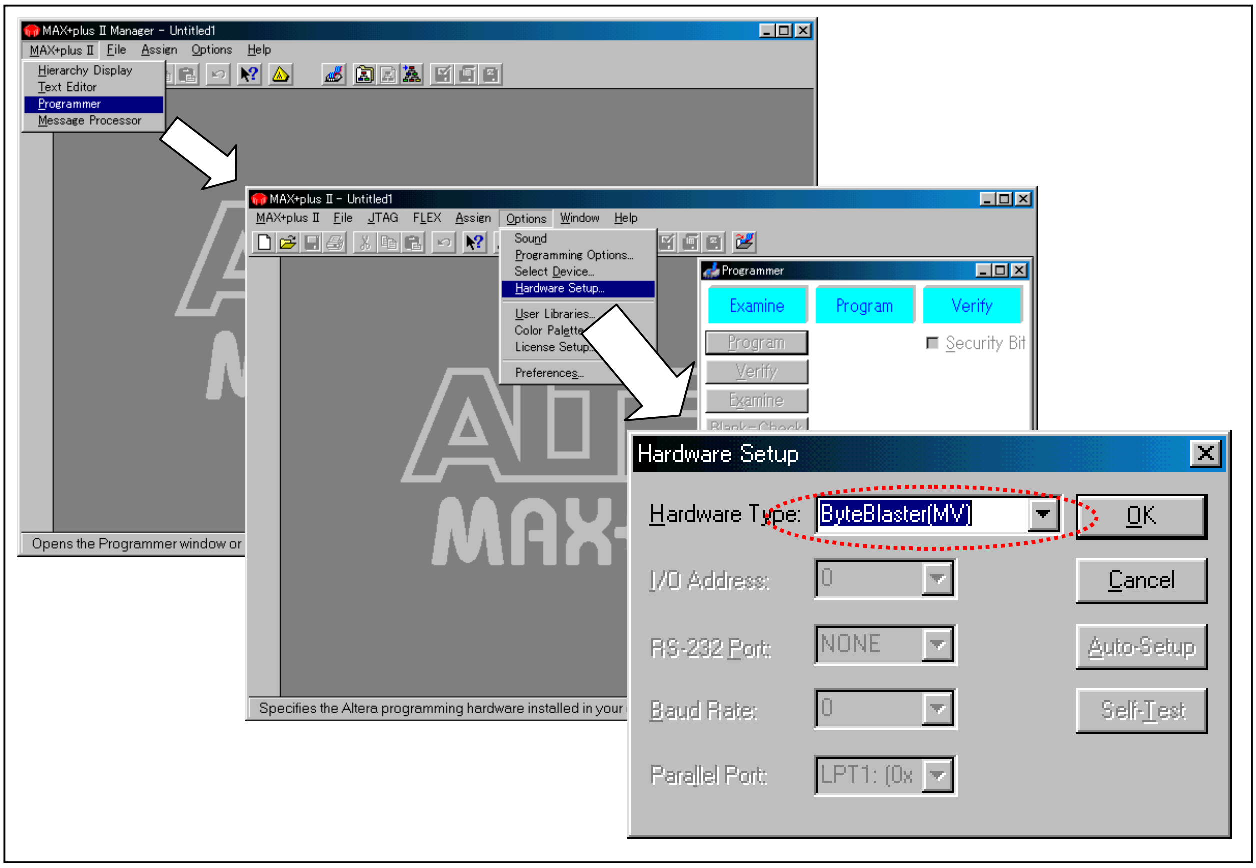
(reference)
The selection by DIP SW also can be done.
(refer to INF-17)

```
SERVICE –MENU : OTHER
                NO. H08

     H01    STILL LIMIT
     H02    LTC OUT SEL
     H03    SYSTEM TYPE
     H07    DET DISCOUNT
*    H08    PLD WR SEL
```

Figure 1

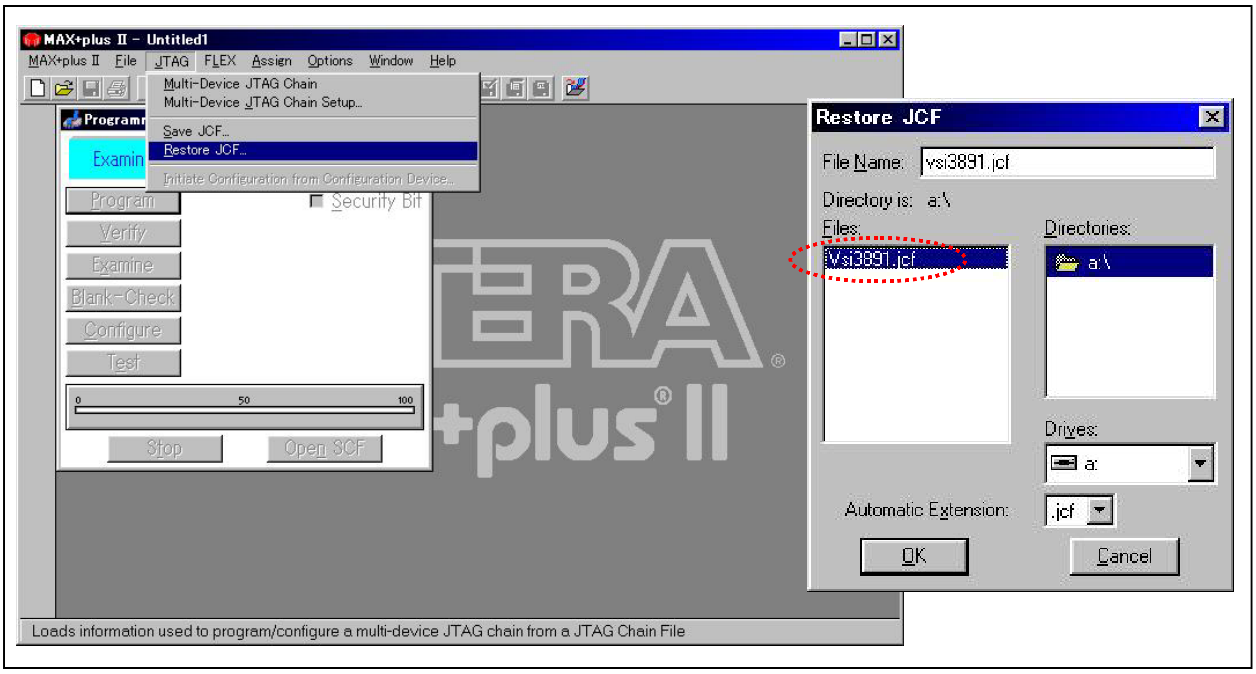
D. Boot up the Ver. up Software and Ver. up Procedure

1. Insert floppy disk (which is included all files of the VVVSI***) to floppy drive.
2. Select **"start button"** on the Windows Screen and then **"Program"** and then boot up the **"MAX+plus II *** programmer only"** so that the following menu appears.
3. On main window, select tab **"MAX+plus II"** and then **"Programmer"**.
4. On main window (Programmer window is displayed), select tab **"Option"** and then **"Hardware Setup"**.
5. On **Hardware Setup** dialog, set the **"Hardware Type"** to **"Byte Blaster (MV)"**.


MAX+plus II Manager - Untitled1
MAX+plus II File Assign Options Help
Hierarchy Display
Text Editor
Programmer
Message Processor
Opens the Programmer window or
MAX+plus II - Untitled1
MAX+plus II File JTAG FLEX Assign Options Window Help
Sound
Programming Options...
Select Device...
Hardware Setup...
User Libraries...
Color Palette...
License Setup...
Preferences...
Specifies the Altera programming hardware installed in your
Programmer
Examine
Program
Verify
Program
Verify
Examine
Blank-Check
Security Bit
Hardware Setup
OK
Cancel
Auto-Setup
Self-Test

Hardware Type: ByteBlaster(MV)
I/O Address: 0
RS-232 Port: NONE
Baud Rate: 0
Parallel Port: LPT1: (0x

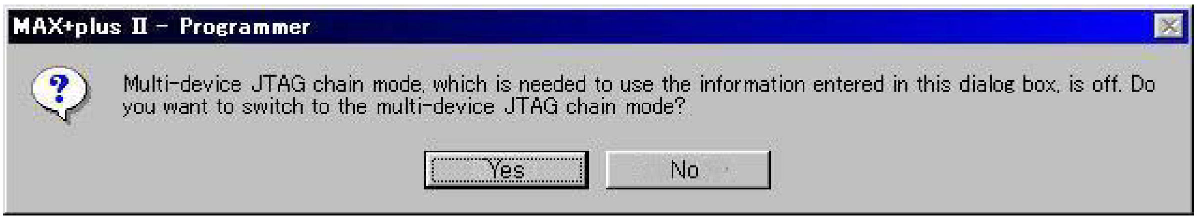
6. On main window, select tab **"JTAG"**, and then select **"Restore JCF…"**.
7. Select the floppy drive and then, select the **"jcf format file (***.jcf) on dialog box of Restore JCF"** and then press **"OK"** button.


MAX+plus II - Untitled1
MAX+plus II File JTAG FLEX Assign Options Window Help
Multi-Device JTAG Chain
Multi-Device JTAG Chain Setup...
Save JCF...
Restore JCF...
Initiate Configuration from Configuration Device...
Programm
Examin
Program
Verify
Examine
Blank-Check
Configure
Test
Security Bit
0
50
100
Stop
Open SCF
Restore JCF
OK
Cancel

File Name: vsi3891.jcf
Directory is: a:\
Files: vsi3891.jcf
Directories: a:\
Drives: a:
Automatic Extension: .jcf

Loads information used to program/configure a multi-device JTAG chain from a JTAG Chain File

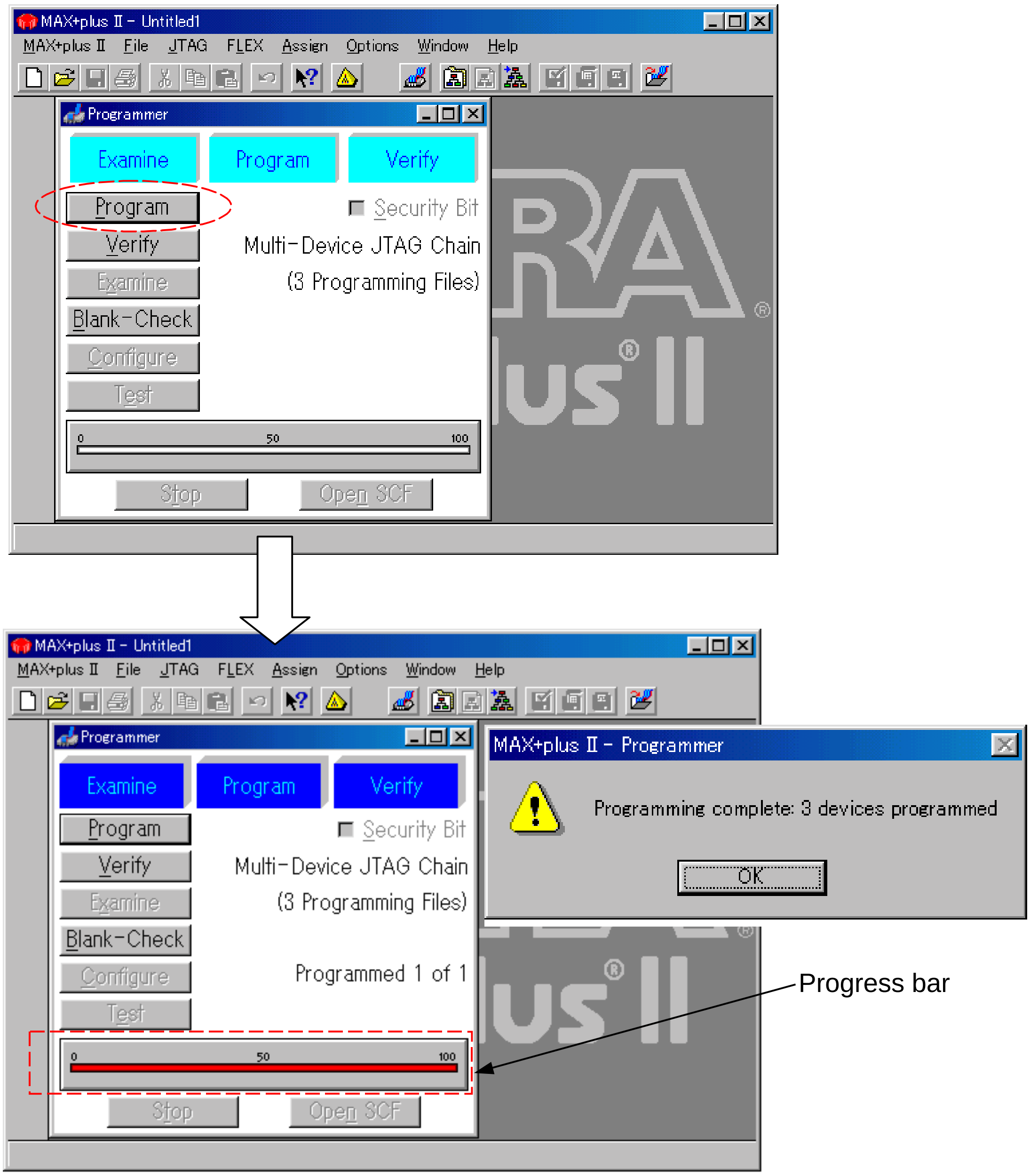
8. If the following message appeared, Press **"Yes"** button.



MAX+plus II – Programmer

Multi-device JTAG chain mode, which is needed to use the information entered in this dialog box, is off. Do you want to switch to the multi-device JTAG chain mode?

9. Click the **"Program"** button on Programmer dialog.
10. When Progress Bar reaches at point of **100**, the message "Programming Complete" appears, then PLD version upgrade is completed. Click **"OK"** button on the **Programming complete** message Dialog.
11. Confirm that PLD version of VTR is updated. (refer to INF-10)



MAX+plus II – Untitled1
MAX+plus II
File
JTAG
FLEX
Assign
Options
Window
Help
Programmer
Examine
Program
Verify
Program
Verify
Examine
Blank-Check
Configure
Test
☐ Security Bit
Multi-Device JTAG Chain
(3 Programming Files)
0
50
100
Stop
Open SCF
Programmed 1 of 1
MAX+plus II – Programmer
OK
Progress bar

Programming complete: 3 devices programmed

* MAX+PLUS are registered trademarks of Altera Corporation.
* Windows95 and Windows98 are registered trademarks of Microsoft Corporation.

12-3-2. PLD(FPGA) Version up Method 2 (XILINX)

A. Preparation

ITEM	REMARK
C PLD WRITER	VFK1590 VFK1590P4 (VFK1590 standard)
25pin-25pin Cable	Straight (Male - Female), Length : Within 1meter
Version Upgrade Software	XILINX WebPACK ISE Programmer (iMPACT) Software Please download from the following URL http://www.xilinx.com/support/download.htm 1. Open this page and then select "WebPACK ISE". 2. Before downloading, registration is required to get ID and Password. 3. After registration, click "Download ISE WebPACK" button. 4. Select "CUSTOM" in "Typical Download Configurations" menu. 5. Check **"FPGA Prog."** in "Custom Design Configuration" page. 6. Click Download button. 7. Follow the instruction of next page.
Version Upgrade Data	cdf File (Included in VVVSI**** file). (Copy all files of the VVVSI**** which is included " *.cdf " file to floppy disk)
Personal Computer	WINDOWS 95® or 98®

B. Connection and Preparation

1. Connect the D-sub Cable between CN401(for XILINX) connector of the CPLD WRITER (VFK1590) and Personal Computer (Printer port).
2. Connect the CPLD WRITER Cable (VFK1590P4) between PLD version up connector on the rear jack panel and P401 connector of CPLD WRITER. (Refer to Figure 12-3-1.)
3. Turn on the VTR and Personal Computer (Windows mode).

C. Menu Select

1. Target PLD is selected by H08: PLD WR SEL in Other in Service Menu (Refer to Figure 1).

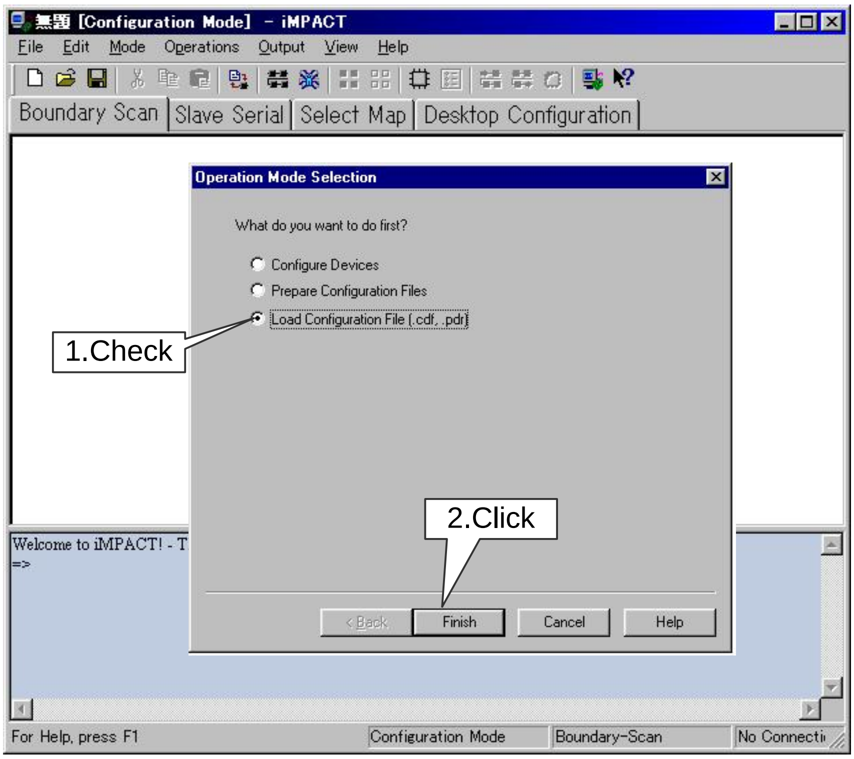
```
SERVICE –MENU : OTHER
                 NO. H08

     H01    STILL LIMIT
     H02    LTC OUT SEL
     H03    SYSTEM TYPE
     H07    DET DISCOUNT
*    H08    PLD WR SEL
```

Figure 1

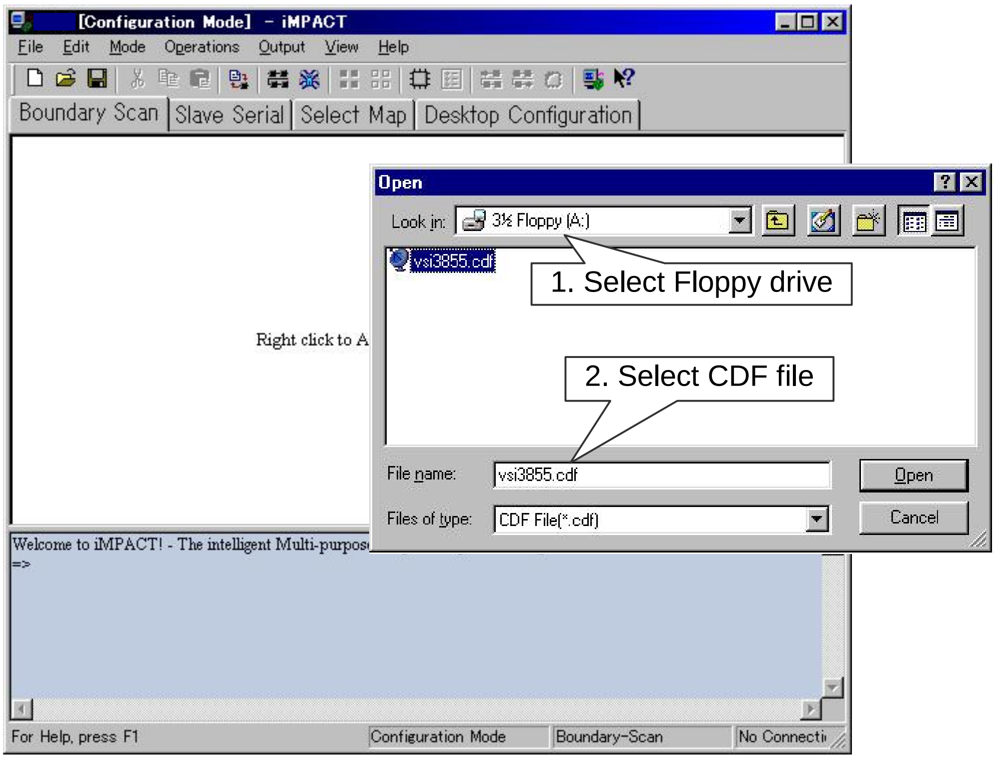
(reference)
The selection by DIP SW also can be done. (refer to INF-17)

D．Boot up the Ver. Up Software and Ver. up Procedure

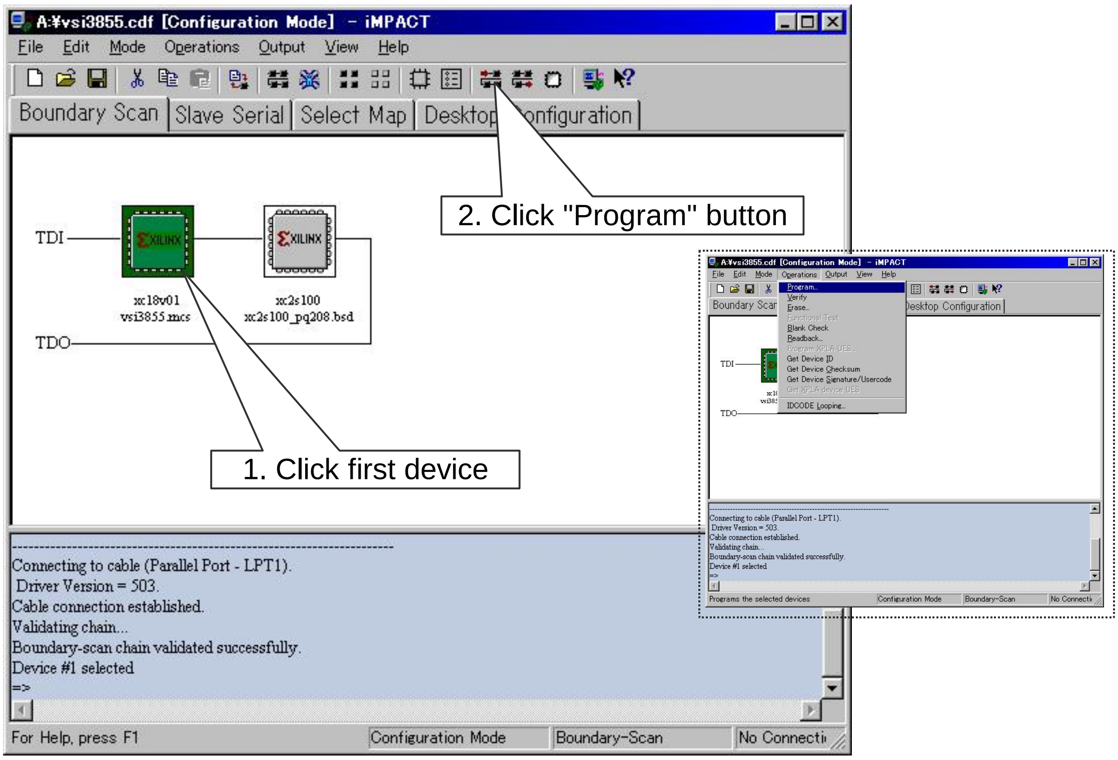
1. Insert floppy disk (which is included all files of the VVVSI***) to floppy drive.
2. Install the WebPACK ISE program. “Xilinx Webpack” folder is created on windows.
3. Click the start button of windows and select "Program" and “Xilinx Webpack”.
4. Select the "Device Programer" and then following screen appears.
5. Check the "Load Configuration Files", and click "Finish" button.


[Configuration Mode] – iMPACT
File Edit Mode Operations Output View Help
Boundary Scan
Slave Serial
Select Map
Desktop Configuration
Operation Mode Selection
What do you want to do first?
○ Configure Devices
○ Prepare Configuration Files
● Load Configuration File (.cdf, .pdr)
1.Check
2.Click
< Back
Finish
Cancel
Help
Welcome to iMPACT! - T
=>
For Help, press F1
Configuration Mode
Boundary-Scan
No Connecti

6. Select the floppy drive and then select the **“ *.cdf ”** file.
   (CDF is **C**hain **D**escription **F**ile, This file can write several CPLDs on the same board like a chain.)
7. Click the **“Open”** button.

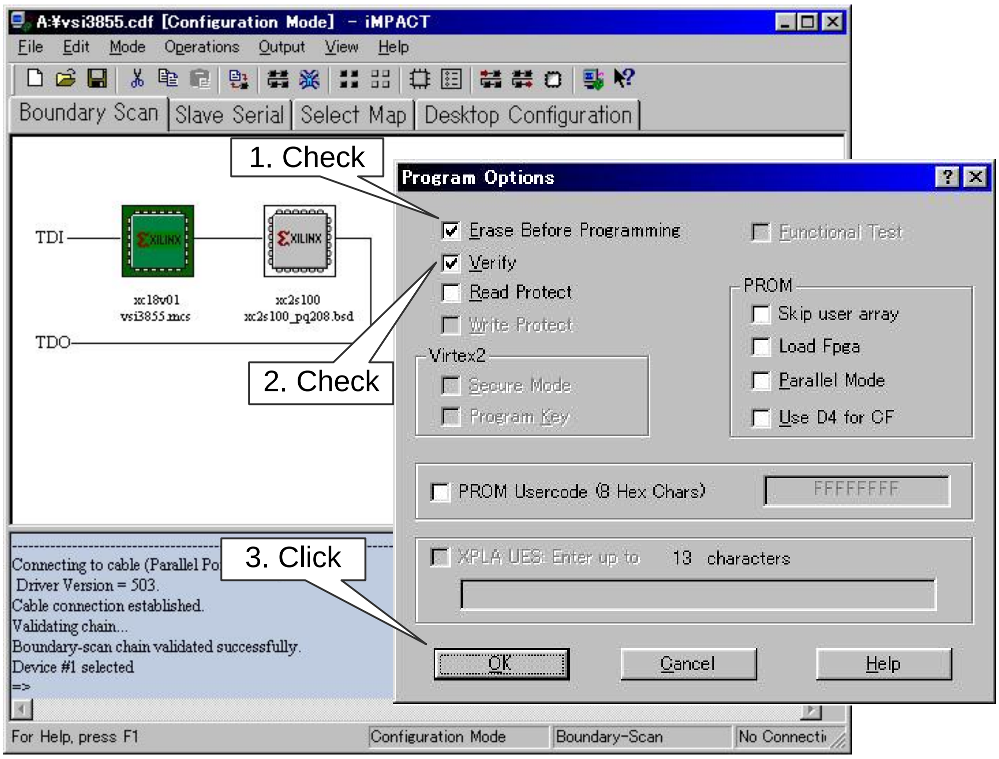

[Configuration Mode] – iMPACT
File Edit Mode Operations Output View Help
Boundary Scan
Slave Serial
Select Map
Desktop Configuration
Open
Look in: 3½ Floppy (A:)
vsi3855.cdf
1. Select Floppy drive
2. Select CDF file
Right click to A
File name: vsi3855.cdf
Files of type: CDF File(*.cdf)
Open
Cancel
Welcome to iMPACT! - The intelligent Multi-purpos
=>
For Help, press F1
Configuration Mode
Boundary-Scan
No Connecti

8. Click the first device (change the colour to green) then click the **"program"** button to open the **"Program Options"** dialog box or select **"Operations"** in the menu then select **"Program"**.


A:¥vsi3855.cdf [Configuration Mode] - iMPACT
File Edit Mode Operations Output View Help
Boundary Scan
Slave Serial
Select Map
Desktop Configuration
2. Click "Program" button
TDI
TDO
xc18v01
vsi3855.mcs
xc2s100
xc2s100_pq208.bsd
1. Click first device
Program...
Verify
Erase...
Functional Test
Blank Check
Readback...
Program XPLA UES...
Get Device ID
Get Device Checksum
Get Device Signature/Usercode
Get XPLA device UES
IDCODE Looping...
For Help, press F1
Programs the selected devices
Configuration Mode
Boundary-Scan
No Connecti

```
--------------------------------------------------------------------
Connecting to cable (Parallel Port - LPT1).
 Driver Version = 503.
Cable connection established.
Validating chain...
Boundary-scan chain validated successfully.
Device #1 selected
=>
```

9. Check the **"Erase Before Programing"** and **"Verify"** in the dialog box of Program Options.


A:¥vsi3855.cdf [Configuration Mode] - iMPACT
File Edit Mode Operations Output View Help
Boundary Scan
Slave Serial
Select Map
Desktop Configuration
1. Check
2. Check
3. Click
TDI
TDO
xc18v01
vsi3855.mcs
xc2s100
xc2s100_pq208.bsd
Program Options
OK
Cancel
Help
For Help, press F1
Configuration Mode
Boundary-Scan
No Connecti

☑ Erase Before Programming
☑ Verify
☐ Read Protect
☐ Write Protect

Virtex2
☐ Secure Mode
☐ Program Key

☐ Functional Test

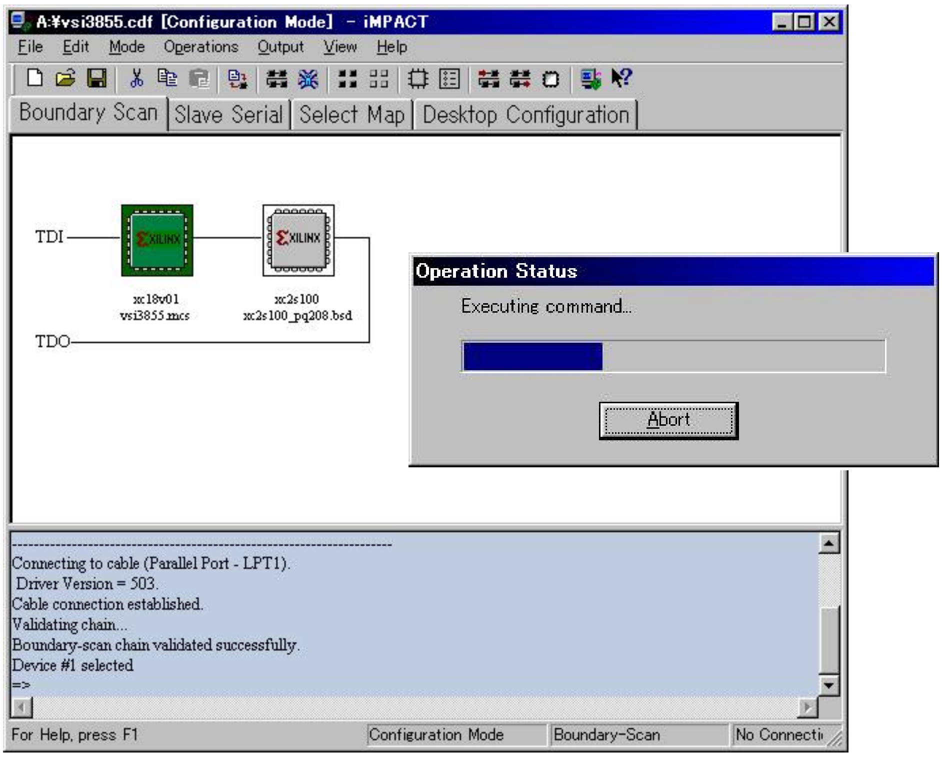
PROM
☐ Skip user array
☐ Load Fpga
☐ Parallel Mode
☐ Use D4 for CF

☐ PROM Usercode (8 Hex Chars) FFFFFFFF

☐ XPLA UES: Enter up to 13 characters

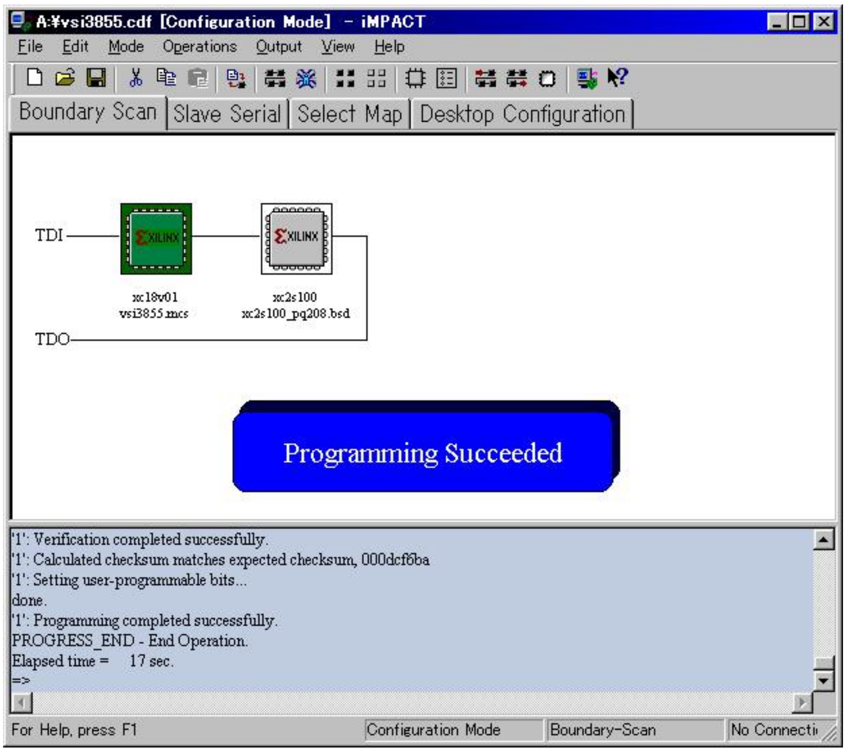
```
Connecting to cable (Parallel Po
 Driver Version = 503.
Cable connection established.
Validating chain...
Boundary-scan chain validated successfully.
Device #1 selected
=>
```

10. Then click **“OK”** button to start the programing and verifying.


A:¥vsi3855.cdf [Configuration Mode] – iMPACT
File
Edit
Mode
Operations
Output
View
Help
Boundary Scan
Slave Serial
Select Map
Desktop Configuration
TDI
TDO
xc18v01
vsi3855.mcs
xc2s100
xc2s100_pq208.bsd
Operation Status
Executing command...
Abort
For Help, press F1
Configuration Mode
Boundary-Scan
No Connecti

```
------------------------------------------------------------------------
Connecting to cable (Parallel Port - LPT1).
 Driver Version = 503.
Cable connection established.
Validating chain...
Boundary-scan chain validated successfully.
Device #1 selected
=>
```

11. When the programming is completed, The following dialog is appeared.
12. Confirm that PLD version of VTR is updated. (refer to INF-10)

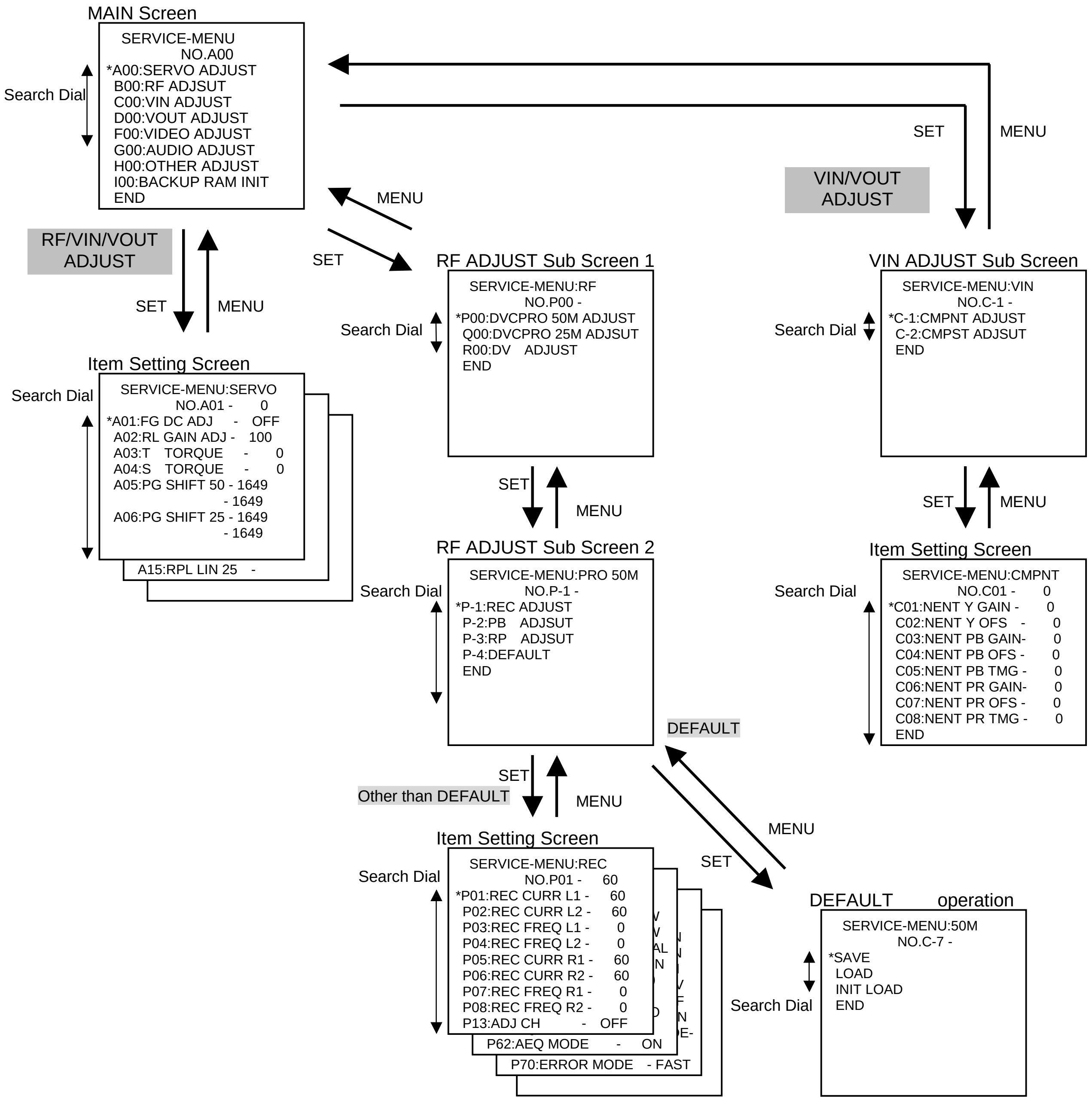

A:¥vsi3855.cdf [Configuration Mode] – iMPACT
File
Edit
Mode
Operations
Output
View
Help
Boundary Scan
Slave Serial
Select Map
Desktop Configuration
TDI
TDO
xc18v01
vsi3855.mcs
xc2s100
xc2s100_pq208.bsd
Programming Succeeded
For Help, press F1
Configuration Mode
Boundary-Scan
No Connecti

```
'1': Verification completed successfully.
'1': Calculated checksum matches expected checksum, 000dcf6ba
'1': Setting user-programmable bits...
done.
'1': Programming completed successfully.
PROGRESS_END - End Operation.
Elapsed time =     17 sec.
=>
```

13. SERVICE MENU

13-1. Service Menu Operation Method

1. Confirm that the **“REMOTE/LOCAL”** switch on the front panel is set to the **“LOCAL”**.
2. Press the **“MENU”** button on the front panel to display the **“SETUP-MENU”**.
3. When the **“SETUP-MENU”** is displayed, press the **“MENU”** button while pressing the **“EJECT”** button and the **“STOP”** button. Then, the **“SERVICE-MENU”** is displayed.
4. Move the cursor **“ * ”** with the Search Dial to select any main item among items from A00 to I00. PUSH the set button to move into Sub Screen.
5. If any of main items **(A00, F00, G00, H00, I00)** other than the RF adjustment **(B00)**, the V IN adjustment **(C00)** and the V OUT adjustment **(D00)** is selected, the **item setting screen** of the selected main item is displayed by pressing the **“SET”** button on the front panel.
6. For the RF adjustment **(B00)**, the V IN adjustment **(C00)** and the V OUT adjustment **(D00)**, select the item on the **Sub Screen**, and then, press the **“SET”** button. Then, the item setting screen of the selected item is displayed.
7. Settings can be altered by rotating the Search Dial while Search button is pushed.
8. Press Menu button to end Service mode.

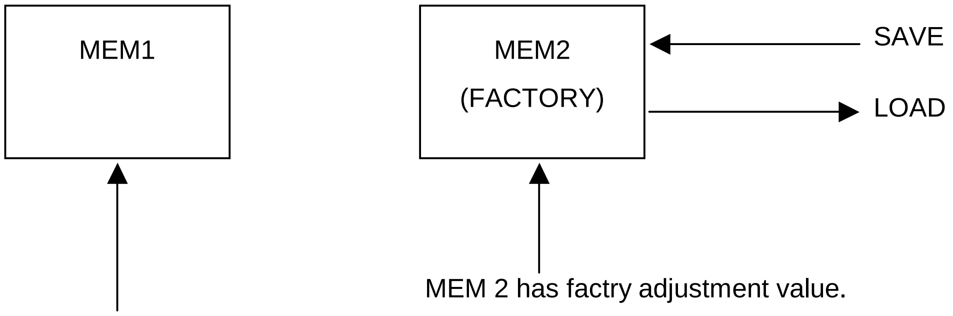


MAIN Screen
SERVICE-MENU
NO.A00
*A00:SERVO ADJUST
B00:RF ADJSUT
C00:VIN ADJUST
D00:VOUT ADJUST
F00:VIDEO ADJUST
G00:AUDIO ADJUST
H00:OTHER ADJUST
I00:BACKUP RAM INIT
END
Search Dial
SET
MENU
VIN/VOUT ADJUST
RF/VIN/VOUT ADJUST
RF ADJUST Sub Screen 1
SERVICE-MENU:RF
NO.P00 -
*P00:DVCPRO 50M ADJUST
Q00:DVCPRO 25M ADJSUT
R00:DV ADJUST
END
VIN ADJUST Sub Screen
SERVICE-MENU:VIN
NO.C-1 -
*C-1:CMPNT ADJUST
C-2:CMPST ADJSUT
END
Item Setting Screen
SERVICE-MENU:SERVO
NO.A01 - 0
*A01:FG DC ADJ - OFF
A02:RL GAIN ADJ - 100
A03:T TORQUE - 0
A04:S TORQUE - 0
A05:PG SHIFT 50 - 1649
- 1649
A06:PG SHIFT 25 - 1649
- 1649
A15:RPL LIN 25 -
RF ADJUST Sub Screen 2
SERVICE-MENU:PRO 50M
NO.P-1 -
*P-1:REC ADJUST
P-2:PB ADJSUT
P-3:RP ADJSUT
P-4:DEFAULT
END
Item Setting Screen
SERVICE-MENU:CMPNT
NO.C01 - 0
*C01:NENT Y GAIN - 0
C02:NENT Y OFS - 0
C03:NENT PB GAIN- 0
C04:NENT PB OFS - 0
C05:NENT PB TMG - 0
C06:NENT PR GAIN- 0
C07:NENT PR OFS - 0
C08:NENT PR TMG - 0
END
DEFAULT
Other than DEFAULT
Item Setting Screen
SERVICE-MENU:REC
NO.P01 - 60
*P01:REC CURR L1 - 60
P02:REC CURR L2 - 60
P03:REC FREQ L1 - 0
P04:REC FREQ L2 - 0
P05:REC CURR R1 - 60
P06:REC CURR R2 - 60
P07:REC FREQ R1 - 0
P08:REC FREQ R2 - 0
P13:ADJ CH - OFF
P62:AEQ MODE - ON
P70:ERROR MODE - FAST
DEFAULT operation
SERVICE-MENU:50M
NO.C-7 -
*SAVE
LOAD
INIT LOAD
END

13-2. DEFAULT Operation

*** RF adjustment (B00)**

The VTR have two memory area for the adjustment value as indicated below.



MEM 2 has factry adjustment value.

MEM 1 is always renewed in accordance with the adjustment value on the RF and EQ adjustment menu.

*** Operating procedures**

1. Move the cursor **“ * ”** onto the **“P-4/Q-4/R-5 : DEFAULT”**.
2. press the **“SET”** button on the front panel.
3. Select the objective item by rotating Search Dial **“ * ”** onto the objective item.

   SAVE : The present setting is saved to MEM 2 as the factory adjustment.

   LOAD : The saved backup value can be loaded to MEM 1 as the current setting.

   INIT LOAD : The default value is loaded to MEM 1.
   The default value is different from the factory adjustment value.

4. Press the **“SET”** button on the front panel. Then, the selected operation is carried out, and then, the item setting screen is displayed again.

13-3. Service Menu Contents

A00: SERVO ADJUST

Item		Set value		Setting contents and outline function explanation	BACK-UP	Remarks
No.	SUPER DISP.	No.	SUPER DISP.			
A01	FG DC ADJ	0 1 2 3 4 5	OFF OK CAP NG SRL NG TRL NG	Automatic adjustment of the DC offset of the capstan, S/T-Reel FG.	Yes	
A02	RL GAIN ADJ	T REEL 0 | 100 | 255 S REEL 0 | 100 | 255	 0 | 100 | 255 0 | 100 | 255	Automatic adjustment of the reel torque of the S/T-Reel.	Yes	
A03	T TORQUE	-128 | 0 | 127	-128 | 0 | 127	Compensation of the T-reel driver offset value	Yes	
A04	S TORQUE	-128 | 0 | 127	-128 | 0 | 127	Compensation of the S-reel driver offset value	Yes	
A05	PG SHIFT 50	RISE 0 | 1649 | 4095 FALL 0 | 1649 | 4095	 0 | 1649 | 4095 0 | 1649 | 4095	Alignment tape is used for PG mono-multi automatic adjustment.	Yes	
A06	PG SHIFT 25	RISE 0 | 1649 | 4095 FALL 0 | 1649 | 4095	 0 | 1649 | 4095 0 | 1649 | 4095	Alignment tape is used for PG mono-multi automatic adjustment.	Yes	
A07	T PHOTO		Voltage value 0.0V | 3.3V	Indication of the detection voltage of the photo sensor for beginning and end detection on the T-side This is used for adjustment of the sensitivity of the photo sensor.	No	
A08	S PHOTO		Voltage value 0.0V | 3.3V	Indication of the detection voltage of the photo sensor for beginning and end detection on the S-side This is used for adjustment of the sensitivity of the photo sensor.	No	
A09	TENSION	0 1	Non-display ON	Loading operation for tension offset adjustment	No	

<table>
<tr><th colspan="2">Item</th><th colspan="2">Set value</th><th rowspan="2">Setting contents and
outline function explanation</th><th rowspan="2">BACK
-UP</th><th rowspan="2">Remarks</th></tr>
<tr><th>No.</th><th>SUPER
DISP.</th><th>No.</th><th>SUPER
DISP.</th></tr>
<tr><td>A10</td><td>X VALUE 50</td><td>-128
|
0
|
127</td><td>-128
|
0
|
127</td><td>Electrical fine adjustment of the X-value</td><td>Yes</td><td></td></tr>
<tr><td>A11</td><td>X VALUE 25</td><td>-128
|
0
|
127</td><td>-128
|
0
|
127</td><td>Electrical fine adjustment of the X-value</td><td>Yes</td><td></td></tr>
<tr><td>A12</td><td>RPL GAIN 50</td><td>-128
|
0
|
127</td><td>-128
|
0
|
127</td><td>LISTA sensitivity adjustment for RPL1/RPL2 head</td><td>Yes</td><td></td></tr>
<tr><td>A13</td><td>RPL LIN 50</td><td>0
1</td><td>Non-display
ON</td><td>Adjustment of the Lista linearity for RPL1/RPL2 head</td><td>No</td><td></td></tr>
<tr><td>A14</td><td>RPL GAIN 25</td><td>-128
|
0
|
127</td><td>-128
|
0
|
127</td><td>LISTA sensitivity adjustment for RPL1/RPL2 head</td><td>Yes</td><td></td></tr>
<tr><td>A15</td><td>RPL LIN 25</td><td>0
1</td><td>Non-display
ON</td><td>Adjustment of the Lista linearity for RPL1/RPL2 head</td><td>No</td><td></td></tr>
<tr><td>A16</td><td>PBL GAIN 50</td><td>-128
|
0
|
127</td><td>-128
|
0
|
127</td><td>LISTA sensitivity adjustment for PBL1/PBL2 head</td><td>Yes</td><td></td></tr>
<tr><td>A17</td><td>PBL GAIN 25</td><td>-128
|
0
|
127</td><td>-128
|
0
|
127</td><td>LISTA sensitivity adjustment for PBL1/PBL2 head</td><td>Yes</td><td></td></tr>
<tr><td>A18</td><td>RPR GAIN DV</td><td>-128
|
-60
|
127</td><td>-128
|
-60
|
127</td><td>LISTA sensitivity adjustment for RPR1/RPR2 head</td><td>Yes</td><td></td></tr>
<tr><td>A19</td><td>TRK VAL 50</td><td>-128
|
0
|
127</td><td>-128
|
0
|
127</td><td>The CTL tracking offset value can be changed</td><td>No</td><td></td></tr>
<tr><td>A20</td><td>TRK VAL 25</td><td>-128
|
0
|
127</td><td>-128
|
0
|
127</td><td>The CTL tracking offset value can be changed</td><td>No</td><td></td></tr>
</table>

B00: RF ADJUST

RF ADJUST subscreen

Item		Item contents
No.	SUPER DISP.	
P00	DVCPRO 50M ADJUST	Adjustment for DVCPRO50 (50 Mbps)
Q00	DVCPRO 25M ADJUST	Adjustment for DVCPRO (25 Mbps)
R00	DV ADJUST	Adjustment for DV

DVCRRO 50M ADJUST subscreen

Item		Item contents
No.	SUPER DISP.	
P-1	REC ADJUST	Adjustment of the recording system for DVCPRO50 (50 Mbps)
P-2	PB ADJUST	Adjustment of the playback system (PB head) for DVCPRO50 (50 Mbps)
P-3	RP ADJUST	Adjustment of the playback system (RP head) for DVCPRO50 (50 Mbps)
P-4	DEFAULT	LOAD/SAVE of the factory default adjustment values/initial values LOAD operation • Perform operation in regard to the adjustment values for DVCPRO50 (50 Mbps). Operation: 1. Move the cursor to P-4: DEFAULT and press “set” button. 2. Turn the search dial button and move the cursor to the desired operation item. SAVE ... Save the present set values as the factory default values. LOAD ... Load the saved factory default values as the present set values. (When SAVE operation has not been performed, the initial values will be loaded.) INIT LOAD ... Load the initial value (which designer decide) as the present set values. 3. When the SET button is pressed, the selected operation will be performed and it will return to the item setting screen. When the MENU button is pressed, no operation will be performed and it will return the item setting screen.

DVCRRO 25M ADJUST subscreen

Item		Item contents
No.	SUPER DISP.	
Q-1	REC ADJUST	Adjustment of the recording system for DVCPRO (25 Mbps)
Q-2	PB ADJUST	Adjustment of the playback system (PB head) for DVCPRO (25 Mbps)
Q-3	RP ADJUST	Adjustment of the playback system (RP head) for DVCPRO (25 Mbps)
Q-4	DEFAULT	LOAD/SAVE of the factory default adjustment values/initial values LOAD operation • Perform operation in regard to the adjustment values for DVCPRO (25 Mbps). Operation: 1. Move the cursor to Q-4: DEFAULT and press “set” button. 2. Turn the search dial button and move the cursor to the desired operation item. SAVE ... Save the present set values as the factory default values. LOAD ... Load the saved factory default values as the present set values. (When SAVE operation has not been performed, the initial values will be loaded.) INIT LOAD ... Load the initial value (which designer decide) as the present set values. 3. When the SET button is pressed, the selected operation will be performed and it will return to the item setting screen. When the MENU button is pressed, no operation will be performed and it will return the item setting screen.

DV ADJUST subscreen

Item		Item contents
No.	SUPER DISP.	
R-3	RP ADJUST	Adjustment of the playback system (RP head) for DV
R-4	DEFAULT	LOAD/SAVE of the factory default adjustment values/initial values LOAD operation • Perform operation in regard to the adjustment values for DV. Operation: 1. Move the cursor to R-4: DEFAULT and press “set” button. 2. Turn the search dial button and move the cursor to the desired operation item. SAVE ... Save the present set values as the factory default values. LOAD ... Load the saved factory default values as the present set values. (When SAVE operation has not been performed, the initial values will be loaded.) [INIT LOAD ... Load the initial value (which designer decide) as the present set values.] 3. When the SET button is pressed, the selected operation will be performed and it will return to the item setting screen. When the MENU button is pressed, no operation will be performed and it will return the item setting screen.

REC ADJUST (DVCPRO 50M ADJUST, DVCPRO 25M ADJUST subscreen)

<table>
<tr><th colspan="2">Item</th><th colspan="2">Set value</th><th rowspan="2">Setting contents and outline function explanation</th><th rowspan="2">BACK -UP</th><th rowspan="2">Remarks</th></tr>
<tr><th>No.</th><th>SUPER DISP.</th><th>No.</th><th>SUPER DISP.</th></tr>
<tr><td rowspan="4">P01
Q01</td><td rowspan="4">REC CURR L1</td><td colspan="2">P01</td><td rowspan="4">Adjustment of the RP L1 head recording current</td><td rowspan="4">Yes</td><td rowspan="4">Use for electrical adjustment</td></tr>
<tr><td>-128
|
60
|
127</td><td>-128
|
60
|
127</td></tr>
<tr><td colspan="2">Q01</td></tr>
<tr><td>-128
|
60
|
127</td><td>-128
|
60
|
127</td></tr>
<tr><td rowspan="4">P02
Q02</td><td rowspan="4">REC CURR L2</td><td colspan="2">P02</td><td rowspan="4">Adjustment of the RP L2 head recording frequency characteristic</td><td rowspan="4">Yes</td><td rowspan="4">Use for electrical adjustment</td></tr>
<tr><td>-128
|
60
|
127</td><td>-128
|
60
|
127</td></tr>
<tr><td colspan="2">Q02</td></tr>
<tr><td>-128
|
60
|
127</td><td>-128
|
60
|
127</td></tr>
<tr><td rowspan="4">P03
Q03</td><td rowspan="4">REC FREQ L1</td><td colspan="2">P03</td><td rowspan="4">Adjustment of the RP L1 head recording frequency characteristic</td><td rowspan="4">Yes</td><td rowspan="4">Use for electrical adjustment</td></tr>
<tr><td>-128
|
60
|
127</td><td>-128
|
60
|
127</td></tr>
<tr><td colspan="2">Q03</td></tr>
<tr><td>-128
|
0
|
127</td><td>-128
|
0
|
127</td></tr>
<tr><td rowspan="4">P04
Q04</td><td rowspan="4">REC FREQ L2</td><td colspan="2">P04</td><td rowspan="4">Adjustment of the RP L2 head recording frequency characteristic</td><td rowspan="4">Yes</td><td rowspan="4">Use for electrical adjustment</td></tr>
<tr><td>-128
|
60
|
127</td><td>-128
|
60
|
127</td></tr>
<tr><td colspan="2">Q04</td></tr>
<tr><td>-128
|
0
|
127</td><td>-128
|
0
|
127</td></tr>
<tr><td rowspan="4">P05
Q05</td><td rowspan="4">REC CURR R1</td><td colspan="2">P05</td><td rowspan="4">Adjustment of the RP R1 head recording current</td><td rowspan="4">Yes</td><td rowspan="4">Use for electrical adjustment</td></tr>
<tr><td>-128
|
60
|
127</td><td>-128
|
60
|
127</td></tr>
<tr><td colspan="2">Q05</td></tr>
<tr><td>-128
|
60
|
127</td><td>-128
|
60
|
127</td></tr>
</table>

Item		**Set value**		**Setting contents and outline function explanation**	**BACK -UP**	**Remarks**
No.	**SUPER DISP.**	**No.**	**SUPER DISP.**			
P06 Q06	REC CURR R2	P06		Adjustment of the RP R2 head recording f characteristic	Yes	Use for electrical adjustment
		-128 | 60 | 127	-128 | 60 | 127			
		Q06				
		-128 | 60 | 127	-128 | 60 | 127			
P07 Q07	REC FREQ R1	P07		Adjustment of the RP R1 head recording frequency characteristic	Yes	Use for electrical adjustment
		-128 | 60 | 127	-128 | 60 | 127			
		Q7				
		-128 | 0 | 127	-128 | 0 | 127			
P08 Q08	REC FREQ R2	P08		Adjustment of the RP R2 head recording frequency characteristic	Yes	Use for electrical adjustment
		-128 | 60 | 127	-128 | 60 | 127			
		Q08				
		-128 | 0 | 127	-128 | 0 | 127			
P13 Q13	ADJ CH	0 1 2 3 4	OFF PBL PBR RPL RPR	Channel(Head) selection for recording adjustment • The setting is held until exit from 50M ADJUST, 25M ADJUST.	No	**Factory use only**
P14 Q14	BPF FREQ	P14		Setting of BPF target frequency for recording adjustment • The setting is held until exit from 50M ADJUST, 25M ADJUST.	No	**Factory use only**
		0 1	HIGH LOW			
		Q14				
		0 1	HIGH LOW			
P15 Q15	BPF AREA	0 1	HIGH LOW	Setting of BPF frequency area for recording adjustment • The setting is held until exit from 50M ADJUST, 25M ADJUST.	No	**Factory use only**
P16 Q16	REC DATA	0 1	NORMAL CW	Recording data selection	No	**Factory use only**
P17 Q17	XCAN MODE	0 1	OFF ON	Crosstalk canceler ON/OFF setting • The setting is held until exit from 50M ADJUST, 25M ADJUST.	No	**Factory use only**
P18 Q18	XCAN DELAY	0 | 15	0 | 15	Setting of REC data delay quantity for crosstalk canceler	Yes	**Factory use only**
P19 Q19	XCAN SPD	0 1 2 3	0 1 2 3	Setting of adaptation processing speed for closstalk canceler	Yes	**Factory use only**
P60 Q60	VITERBI MODE	0 1 2 3	OFF PR4 EPR4 AUTO	Setting whether Viterbi decoding is to be used for detection of playback data or not • The setting is held until exit from 50M ADJUST, 25M ADJUST.	No	Use for electrical adjustment

Item		Set value		Setting contents and outline function explanation	BACK-UP	Remarks
No.	SUPER DISP.	No.	SUPER DISP.			
P61 Q61	EQ STB	0 1	OFF ON	ON/OFF setting for the automatic standby detection function Automatic standby detection function: When the playback envelope is not detected for several seconds, the mode automatically shifts to standby mode (the mode where playback processing is stopped and the VCO center frequency is adjusted automatically). • The setting is held until exit from 50M ADJUST, 25M ADJUST.	No	**Factory use only**
P62 Q62	AEQ MODE	0 1	OFF ON	Setting of the Adaptive EQ function of the adaptive equalization filter • The setting is held until exit from 50M ADJUST, 25M ADJUST.	No	Use for electrical adjustment
P63 Q63	AEQ HOLD	0 1	OFF ON	ON/OFF setting for the function for temporary holding of adaptive equalization control during the transitional period when the relative speed changes. • The setting is held until exit from 50M ADJUST, 25M ADJUST.	No	**Factory use only**
P64 Q64	FLT MODE	0 1	OFF ON	ON/OFF setting for the fault detection function Fault detection function: When the adaptive filter or the PLL drops into a divergent state at the time of mode switching like search etc., and a status is detected where no normal signal can be detected over a period of 5 tracks or more, this function pulls the status of the adaptive filter or the PLL to the initial status. • The setting is held until exit from 50M ADJUST, 25M ADJUST.	No	**Factory use only**
P65 Q65	PLL MONI	0 1	OFF ON	ON/OFF setting for PLL frequency monitor control Frequency monitor control: When a status is detected where the playback clock frequency at the time of mode switching during playback is outside the permissible range set by MONI LIM PB1 for the specified time or longer, this function automatically pulls the frequency back to the reference frequency corresponding to the relative speed. • The setting is held until exit from 50M ADJUST, 25M ADJUST.	No	**Factory use only**
P66 Q66	MONI KINDSEL	1 2 3	ENV EYEE EYEO	Selection of monitor signal • The setting is held until exit from 50M ADJUST, 25M ADJUST.	No	Use for electrical adjustment
P67 Q67	MONI CHSEL	0 1 2 3 4	OFF PBL PBR RPL RPR	Selection of monitor channel(Head) • The setting is held until exit from 50M ADJUST, 25M ADJUST.	No	Use for electrical adjustment
P68 Q68	ECC MODE	0 1 2	ALL ON OT OFF AL OFF	Setting of error correction control 0: Error correction for INNER and OUTER. 1: Error correction only for INNER, but not for OUTER. 2: No error correction for INNER and OUTER. • The setting is held until exit from 50M ADJUST, 25M ADJUST.	No	
P69 Q69	CONCEAL MOD	0 1	ON OFF	Setting of error revision control 0: Error revision is performed. 1: Error revision is not performed. • The setting is held until exit from 50M ADJUST, 25M ADJUST.	No	
P70 Q70	ERROR MODE	0 1	FAST SLOW	Setting of the error sampling time 0: FAST mode 1: SLOW mode • The setting is held until exit from 50M ADJUST, 25M ADJUST.	No	
P71 Q71	TRACKING MOD	0 1	ATF CTL	Tracking mode setting 0: ATF tracking 1: CTL tracking • The setting is held until exit from 50M ADJUST, 25M ADJUST.	No	
P72 Q72	TRACKING VAL	-128 | 0 | 127	-128 | 0 | 127	Offset value setting for CTL tracking • Effective only at the time of TRACKING MOD = CTL. • The setting is held until exit from 50M ADJUST, 25M ADJUST.	No	
P73 Q73	ATF HEAD	0 1	PB RP	Head selection for ATF tracking 0: PB head 1: RP head	No	

PB ADJUST (DVCPRO 50M ADJUST, DVCPRO 25M ADJUST sub-screen)

Item		Set value		Setting contents and outline function explanation	BACK -UP	Remarks
No.	SUPER DISP.	No.	SUPER DISP.			
P01 Q01	PHS L1	-128 | -20 | 127	-128 | -20 | 127	Adjustment of the L1 head playback phase	Yes	Use for electrical adjustment
P02 Q02	PHS L2	-128 | -20 | 127	-128 | -20 | 127	Adjustment of the L2 head playback phase	Yes	Use for electrical adjustment
P03 Q03	MAG L1	-128 | 20 | 127	-128 | 20 | 127	Adjustment of the L1 head playback amplitude	Yes	Use for electrical adjustment
P04 Q04	MAG L2	-128 | 20 | 127	-128 | 20 | 127	Adjustment of the L2 head playback amplitude	Yes	Use for electrical adjustment
P05 Q05	PHS R1	-128 | -20 | 127	-128 | -20 | 127	Adjustment of the R1 head playback phase	Yes	Use for electrical adjustment
P06 Q06	PHS R2	-128 | -20 | 127	-128 | -20 | 127	Adjustment of the R2 head playback phase	Yes	Use for electrical adjustment
P07 Q07	MAG R1	-128 | 20 | 127	-128 | 20 | 127	Adjustment of the R1 head playback amplitude	Yes	Use for electrical adjustment
P08 Q08	MAG R2	-128 | 20 | 127	-128 | 20 | 127	Adjustment of the R2 head playback amplitude	Yes	Use for electrical adjustment
P09 Q09	ENV L1	0 | 255	0 | 255	Playback signal envelope level read-out value averaged for each track of each head ENV L1: L1 head ENV L2: L2 head Averaging is performed at 8 points in the track, and the newest track value for which averaging has been completed at the time when read-out is started will be read out. • Read-out is possible only at the time of PLAY and REC.	Yes	**Factory use only**
P10 Q10	ENV L2	0 | 255	0 | 255		Yes	**Factory use only**
P11 Q11	ENV R1	0 | 255	0 | 255		Yes	**Factory use only**
P12 Q12	ENV R2	0 | 255	0 | 255		Yes	**Factory use only**
P13 Q13	AGC SPD	0 | 3	0 | 3	Setting of the AGC response speed	Yes	**Factory use only** **Do not change any setting**
P14 Q14	AEQ SPD	0 1 2 3	0 1 2 3	The control response speed for the adaptive equalization filter is set in four levels. The sensitivity is highest with 0 and lowest with 3.	Yes	**Factory use only** **Do not change any setting**
P15 Q15	HLD SEN	0 1 2 3	0 1 2 3	The detection sensitivity for detection of changes in the relative speed is set in four levels. The sensitivity is highest with 0 and lowest with 3.	Yes	**Factory use only** **Do not change any setting**

Item		Set value		Setting contents and outline function explanation	BACK -UP	Remarks
No.	SUPER DISP.	No.	SUPER DISP.			
P16 Q16	FLT SEN	0 1 2 3	0 1 2 3	The detection sensitivity for the fault detection function is set in four levels. A fault status is detected when a status where a normal signal can not be detected consecutively for 5 tracks over the following track values. 0: 1/2 1: 3/4 2: 7/8 3: 15/16	Yes	**Factory use only** **Do not change any setting**
P17 Q17	PLLREV	0 1	SLOW FAST	The compensation speed in PLL frequency compensation mode is set in two levels	Yes	**Factory use only** **Do not change any setting**
P18 Q18	PLL PHS	0 | 9 | 31	0 | 9 | 31	In the PLL response speed setting, mainly the phase pull-in speed is controlled. The response speed becomes faster with larger values.	Yes	**Factory use only** **Do not change any setting**
P19 Q19	REV LEV	0 1 2 3	0 1 2 3	The strength of the frequency pull-in operation of the PLL phase comparison characteristic expansion function is controlled in four levels. The action is weakest with 0 and strongest with 3. When the data acquisition ratio at the time of special playback is bad, it can be improved by controlling this parameter.	Yes	**Factory use only** **Do not change any setting**
P20 Q20	PLL FRQ	0 | 8 | 31	0 | 8 | 31	The setting of the PLL response speed controls mainly the frequency pull-in speed. The response becomes faster with larger values.	Yes	**Factory use only** **Do not change any setting**
P21 Q21	MONI LIM W	0 | 28 | 127	0 | 28 | 127	Setting of the frequency offset tolerance value for PLL frequency monitor control The actual tolerance range in regard to the reference frequency is (set value)/10.24%.	Yes	**Factory use only** **Do not change any setting**
P22 Q22	MONI LIM N	0 | 28 | 127	0 | 28 | 127	Setting of the frequency offset tolerance value for PLL frequency monitor control The actual tolerance range in regard to the reference frequency is (set value)/10.24%.	Yes	**Factory use only** **Do not change any setting**
P23 Q23	TH EYE	0 | 110 | 255	0 | 110 | 255	Setting of the threshold value for judging the signal quality after equalization The judgment result for the signal quality is used for adaptive equalization, PLL, fault detection function, and other control.	Yes	**Factory use only** **Do not change any setting**
P24 Q24	TH ULK	0 | 98 | 255	0 | 98 | 255	Setting of the threshold value for judging the signal quality after equalization The judgment result for the signal quality is used for adaptive equalization, PLL, fault detection function, and other control.	Yes	**Factory use only** **Do not change any setting**
P25 Q25	TH ENV	0 | 16 | 255	0 | 16 | 255	Setting of the threshold value for the envelope detection signal The envelope detection signal is used for adaptive equalization filter, PLL, and AGC hold control.	Yes	**Factory use only** **Do not change any setting**
P26 Q26	PLL LIM	0 | 7	0 | 7	In the PLL response speed setting, mainly the phase pull-in speed is controlled.	Yes	**Factory use only** **Do not change any setting**
P27 Q27	VCO L	0 | 512 | 1023	0 | 512 | 1023	Setting of the initial value of the output voltage adjusting the VCO center frequency Adjustment is performed automatically in standby mode, but the time required for automatic adjustment can be reduced by setting this value in advance to a suitable value. The automatically adjusted value is read out and set. • Read-out is possible only at the time of EJECT, STANDBY-OFF.	Yes	Use for electrical adjustment
P28 Q28	VCO R	0 | 512 | 1023	0 | 512 | 1023		Yes	Use for electrical adjustment

<table>
<tr><th colspan="2">Item</th><th colspan="2">Set value</th><th rowspan="2">Setting contents and
outline function explanation</th><th rowspan="2">BACK
-UP</th><th rowspan="2">Remarks</th></tr>
<tr><th>No.</th><th>SUPER
DISP.</th><th>No.</th><th>SUPER
DISP.</th></tr>
<tr><td>P29
Q29</td><td>T L1 3A</td><td>-31
|
0
|
31</td><td>-31
|
0
|
31</td><td rowspan="6">The initial values for six of the seven tap coefficients of the adaptive equalization filter, excluding the fixed center tap, are set for the L1 head. The tap coefficient values after adaptive equalization filter convergence at the time of standard tape playback are read out and set.
• Read-out is possible only at the time of PLAY, REC.</td><td>Yes</td><td>Use for electrical adjustment</td></tr>
<tr><td>P30
Q30</td><td>T L1 2A</td><td>-31
|
0
|
40</td><td>-31
|
0
|
40</td><td>Yes</td><td>Use for electrical adjustment</td></tr>
<tr><td>P31
Q31</td><td>T L1 1A</td><td>-88
|
-32
|
-4</td><td>-88
|
-32
|
-4</td><td>Yes</td><td>Use for electrical adjustment</td></tr>
<tr><td>P32
Q32</td><td>T L1 1B</td><td>-88
|
-32
|
-4</td><td>-88
|
-32
|
-4</td><td>Yes</td><td>Use for electrical adjustment</td></tr>
<tr><td>P33
Q33</td><td>T L1 2B</td><td>-31
|
0
|
40</td><td>-31
|
0
|
40</td><td>Yes</td><td>Use for electrical adjustment</td></tr>
<tr><td>P34
Q34</td><td>T L1 3B</td><td>-31
|
0
|
31</td><td>-31
|
0
|
31</td><td>Yes</td><td>Use for electrical adjustment</td></tr>
<tr><td>P35
Q35</td><td>T L2 3A</td><td>-31
|
0
|
31</td><td>-31
|
0
|
31</td><td rowspan="6">The initial values for six of the seven tap coefficients of the adaptive equalization filter, excluding the fixed center tap, are set for the L2 head. The tap coefficient values after adaptive equalization filter convergence at the time of standard tape playback are read out and set.
• Read-out is possible only at the time of PLAY, REC.</td><td>Yes</td><td>Use for electrical adjustment</td></tr>
<tr><td>P36
Q36</td><td>T L2 2A</td><td>-31
|
0
|
40</td><td>-31
|
0
|
40</td><td>Yes</td><td>Use for electrical adjustment</td></tr>
<tr><td>P37
Q37</td><td>T L2 1A</td><td>-88
|
-32
|
-4</td><td>-88
|
-32
|
-4</td><td>Yes</td><td>Use for electrical adjustment</td></tr>
<tr><td>P38
Q38</td><td>T L2 1B</td><td>-88
|
-32
|
-4</td><td>-88
|
-32
|
-4</td><td>Yes</td><td>Use for electrical adjustment</td></tr>
<tr><td>P39
Q39</td><td>T L2 2B</td><td>-40
|
0
|
31</td><td>-40
|
0
|
31</td><td>Yes</td><td>Use for electrical adjustment</td></tr>
<tr><td>P40
Q40</td><td>T L2 3B</td><td>-31
|
0
|
31</td><td>-31
|
0
|
31</td><td>Yes</td><td>Use for electrical adjustment</td></tr>
<tr><td>P41
Q41</td><td>T R1 3A</td><td>-31
|
0
|
31</td><td>-31
|
0
|
31</td><td rowspan="3">The initial values for six of the seven tap coefficients of the adaptive equalization filter, excluding the fixed center tap, are set for the R1 head. The tap coefficient values after adaptive equalization filter convergence at the time of standard tape playback are read out and set.
• Read-out is possible only at the time of PLAY, REC.</td><td>Yes</td><td>Use for electrical adjustment</td></tr>
<tr><td>P42
Q42</td><td>T R1 2A</td><td>-31
|
0
|
40</td><td>-31
|
0
|
40</td><td>Yes</td><td>Use for electrical adjustment</td></tr>
<tr><td>P43
Q43</td><td>T R1 1A</td><td>-88
|
-32
|
-4</td><td>-88
|
-32
|
-4</td><td>Yes</td><td>Use for electrical adjustment</td></tr>
</table>

Item		Set value		Setting contents and outline function explanation	BACK-UP	Remarks
No.	SUPER DISP.	No.	SUPER DISP.			
P44 Q44	T R1 1B	-88 | -32 | -4	-88 | -32 | -4	The initial values for six of the seven tap coefficients of the adaptive equalization filter, excluding the fixed center tap, are set for the R1 head. The tap coefficient values after adaptive equalization filter convergence at the time of standard tape playback are read out and set. • Read-out is possible only at the time of PLAY, REC.	Yes	Use for electrical adjustment
P45 Q45	T R1 2B	-31 | 0 | 40	-31 | 0 | 40		Yes	Use for electrical adjustment
P46 Q46	T R1 3B	-31 | 0 | 31	-31 | 0 | 31		Yes	Use for electrical adjustment
P47 Q47	T R2 3A	-31 | 0 | 31	-31 | 0 | 31	The initial values for six of the seven tap coefficients of the adaptive equalization filter, excluding the fixed center tap, are set for the R2 head. The tap coefficient values after adaptive equalization filter convergence at the time of standard tape playback are read out and set. • Read-out is possible only at the time of PLAY, REC.	Yes	Use for electrical adjustment
P48 Q48	T R2 2A	-31 | 0 | 40	-31 | 0 | 40		Yes	Use for electrical adjustment
P49 Q49	T R2 1A	-88 | -32 | -4	-88 | -32 | -4		Yes	Use for electrical adjustment
P50 Q50	T R2 1B	-88 | -32 | -4	-88 | -32 | -4	The initial values for six of the seven tap coefficients of the adaptive equalization filter, excluding the fixed center tap, are set for the R2 head. The tap coefficient values after adaptive equalization filter convergence at the time of standard tape playback are read out and set. • Read-out is possible only at the time of PLAY, REC.	Yes	Use for electrical adjustment
P51 Q51	T R2 2B	-40 | 0 | 31	-40 | 0 | 31		Yes	Use for electrical adjustment
P52 Q52	T R2 3B	-31 | 0 | 31	-31 | 0 | 31		Yes	Use for electrical adjustment
P53 Q53	IC READ	0 1 2	OFF SINGLE CONT	The following data are read out from the EQ200 IC. However, there are limitations according to the mode. Data which can be read-out only at the time of PLAY, REC ENV L1 ENV L2 ENV R1 ENV R1 T L1 3A T L1 2A T L1 1A T L1 1B T L1 2B T L1 3B T L2 3A T L2 2A T L2 1A T L2 1B T L2 2B T L2 3B T R1 3A T R1 2A T R1 1A T R1 1B T R1 2B T R1 3B T R2 3A T R2 2A T R2 1A T R2 1B T R2 2B T R2 3B Data which can be read-out only at the time of EJECT, STANDBY-OFF VCO L VCO R 0: No read-out 1: Read-out each time the SET button is pressed. 2: Read-out is performed once every second. • The setting is held until exit from PB ADJUST.	No	Use for electrical adjustment
P60 Q60	VITERBI MODE	0 1 2 3	OFF PR4 EPR4 AUTO	Setting whether Viterbi decoding is to be used for detection of playback data or not • The setting is held until exit from 50M ADJUST, 25M ADJUST.	No	Use for electrical adjustment

Item		Set value		Setting contents and outline function explanation	BACK-UP	Remarks
No.	SUPER DISP.	No.	SUPER DISP.			
P61 Q61	EQ STB	0 1	OFF ON	ON/OFF setting for the automatic standby detection function Automatic standby detection function: When the playback envelope is not detected for several seconds, the mode automatically shifts to standby mode (the mode where playback processing is stopped and the VCO center frequency is adjusted automatically). • The setting is held until exit from 50M ADJUST, 25M ADJUST.	No	**Factory use only**
P62 Q62	AEQ MODE	0 1	OFF ON	Setting of the Adaptive EQ function of the adaptive equalization filter • The setting is held until exit from 50M ADJUST, 25M ADJUST.	No	Use for electrical adjustment
P63 Q63	AEQ HOLD	0 1	OFF ON	ON/OFF setting for the function for temporary holding of adaptive equalization control during the transitional period when the relative speed changes. • The setting is held until exit from 50M ADJUST, 25M ADJUST.	No	**Factory use only**
P64 Q64	FLT MODE	0 1	OFF ON	ON/OFF setting for the fault detection function Fault detection function: When the adaptive filter or the PLL drops into a divergent state at the time of mode switching like search etc., and a status is detected where no normal signal can be detected over a period of 5 tracks or more, this function pulls the status of the adaptive filter or the PLL to the initial status. • The setting is held until exit from 50M ADJUST, 25M ADJUST.	No	**Factory use only**
P65 Q65	PLL MONI	0 1	OFF ON	ON/OFF setting for PLL frequency monitor control Frequency monitor control: When a status is detected where the playback clock frequency at the time of mode switching during palyback is outside the permissible range set by MONI LIM PB1 for the specified time or longer, this function automatically pulls the frequency back to the reference frequency corresponding to the relative speed. • The setting is held until exit from 50M ADJUST, 25M ADJUST.	No	**Factory use only**
P66 Q66	MONI KINDSEL	1 2 3	ENV EYEE EYEO	Selection of monitor signal • The setting is held until exit from 50M ADJUST, 25M ADJUST.	No	Use for electrical adjustment
P67 Q67	MONI CHSEL	0 1 2 3 4	OFF PBL PBR RPL RPR	Selection of monitor channel (Head) • The setting is held until exit from 50M ADJUST, 25M ADJUST.	No	Use for electrical adjustment
P68 Q68	ECC MODE	0 1 2	ALL ON OT OFF AL OFF	Setting of error correction control 0: Error correction for INNER and OUTER. 1: Error correction only for INNER, but not for OUTER. 2: No error correction for INNER and OUTER. • The setting is held until exit from 50M ADJUST, 25M ADJUST.	No	
P69 Q69	CONCEAL MOD	0 1	ON OFF	Setting of error revision control 0: Error revision is performed. 1: Error revision is not performed. • The setting is held until exit from 50M ADJUST, 25M ADJUST.	No	
P70 Q70	ERROR MODE	0 1	FAST SLOW	Setting of the error sampling time 0: FAST mode 1: SLOW mode • The setting is held until exit from 50M ADJUST, 25M ADJUST.	No	
P71 Q71	TRACKING MOD	0 1	ATF CTL	Tracking mode setting 0: ATF tracking 1: CTL tracking • The setting is held until exit from 50M ADJUST, 25M ADJUST.	No	
P72 Q72	TRACKING VAL	-128 | 0 | 127	-128 | 0 | 127	Offset value setting for CTL tracking • Effective only at the time of TRACKING MOD = CTL. • The setting is held until exit from 50M ADJUST, 25M ADJUST.	No	
P73 Q73	ATF HEAD	0 1	PB RP	Head selection for ATF tracking 0: PB head 1: RP head	No	

RP ADJUST (DVCPRO 50M ADJUST, DVCPRO 25M ADJUST, DV ADJUST subscreen)

Item		**Set value**		**Setting contents and outline function explanation**	**BACK -UP**	**Remarks**
No.	**SUPER DISP.**	**No.**	**SUPER DISP.**			
P01 Q01 R01	PHS L1	P01, Q01		Adjustment of the L1 head playback phase	Yes	Use for electrical adjustment
		-128 | -20 | 127	-128 | -20 | 127			
		R01				
		-128 | 0 | 127	-128 | 0 | 127			
P02 Q02 R02	PHS L2	P02, Q02		Adjustment of the L2 head playback phase	Yes	Use for electrical adjustment
		-128 | -20 | 127	-128 | -20 | 127			
		R02				
		-128 | 0 | 127	-128 | 0 | 127			
P03 Q03 R03	MAG L1	P03, Q03		Adjustment of the L1 head playback amplitude	Yes	Use for electrical adjustment
		-128 | 20 | 127	-128 | 20 | 127			
		R03				
		-128 | 0 | 127	-128 | 0 | 127			
P04 Q04 R04	MAG L2	P04, Q04		Adjustment of the L2 head playback amplitude	Yes	Use for electrical adjustment
		-128 | 20 | 127	-128 | 20 | 127			
		R04				
		-128 | 0 | 127	-128 | 0 | 127			
P05 Q05 R05	PHS R1	P05, Q05		Adjustment of the R1 head playback phase	Yes	Use for electrical adjustment
		-128 | -20 | 127	-128 | -20 | 127			
		R05				
		-128 | 0 | 127	-128 | 0 | 127			
P06 Q06 R06	PHS R2	P06, Q06		Adjustment of the R2 head playback phase	Yes	Use for electrical adjustment
		-128 | -20 | 127	-128 | -20 | 127			
		R06				
		-128 | 0 | 127	-128 | 0 | 127			

<table>
<tr><th colspan="2">Item</th><th colspan="2">Set value</th><th rowspan="2">Setting contents and
outline function explanation</th><th rowspan="2">BACK
-UP</th><th rowspan="2">Remarks</th></tr>
<tr><th>No.</th><th>SUPER DISP.</th><th>No.</th><th>SUPER DISP.</th></tr>
<tr><td rowspan="4">P07
Q07
R07</td><td rowspan="4">MAG R1</td><td colspan="2">P07, Q07</td><td rowspan="4">Adjustment of the R1 head playback amplitude</td><td rowspan="4">Yes</td><td rowspan="4">Use for electrical adjustment</td></tr>
<tr><td>-128
|
20
|
127</td><td>-128
|
20
|
127</td></tr>
<tr><td colspan="2">R07</td></tr>
<tr><td>-128
|
0
|
127</td><td>-128
|
0
|
127</td></tr>
<tr><td rowspan="4">P08
Q08
R08</td><td rowspan="4">MAG R2</td><td colspan="2">P08, Q08</td><td rowspan="4">Adjustment of the R2 head playback amplitude</td><td rowspan="4">Yes</td><td rowspan="4">Use for electrical adjustment</td></tr>
<tr><td>-128
|
20
|
127</td><td>-128
|
20
|
127</td></tr>
<tr><td colspan="2">R08</td></tr>
<tr><td>-128
|
0
|
127</td><td>-128
|
0
|
127</td></tr>
<tr><td>P09
Q09
R09</td><td>ENV L1</td><td>0
|
255</td><td>0
|
255</td><td rowspan="4">Playback signal envelope level read-out value averaged for each track of each head
ENV L1: L1 head
ENV L2: L2 head
Averaging is performed at 8 points in the track, and the newest track value for which averaging has been completed at the time when read-out is started will be read out.
• Read-out is possible only at the time of PLAY and REC.</td><td>Yes</td><td>Factory use only</td></tr>
<tr><td>P10
Q10
R10</td><td>ENV L2</td><td>0
|
255</td><td>0
|
255</td><td>Yes</td><td>Factory use only</td></tr>
<tr><td>P11
Q11
R11</td><td>ENV R1</td><td>0
|
255</td><td>0
|
255</td><td>Yes</td><td>Factory use only</td></tr>
<tr><td>P12
Q12
R12</td><td>ENV R2</td><td>0
|
255</td><td>0
|
255</td><td>Yes</td><td>Factory use only</td></tr>
<tr><td>P13
Q13
R13</td><td>AGC SPD</td><td>0
|
3</td><td>0
|
3</td><td>Setting of the AGC response speed</td><td>Yes</td><td>Factory use only
Do not change any setting</td></tr>
<tr><td>P14
Q14
R14</td><td>AEQ SPD</td><td>0
1
2
3</td><td>0
1
2
3</td><td>The control response speed for the adaptive equalization filter is set in four levels.
The sensitivity is highest with 0 and lowest with 3.</td><td>Yes</td><td>Factory use only
Do not change any setting</td></tr>
<tr><td>P15
Q15
R15</td><td>HLD SEN</td><td>0
1
2
3</td><td>0
1
2
3</td><td>The detection sensitivity for detection of changes in the relative speed is set in four levels.
The sensitivity is highest with 0 and lowest with 3.</td><td>Yes</td><td>Factory use only
Do not change any setting</td></tr>
<tr><td>P16
Q16
R16</td><td>FLT SEN</td><td>0
1
2
3</td><td>0
1
2
3</td><td>The detection sensitivity for the fault detection function is set in four levels.
A fault status is detected when a status where a normal signal can not be detected consecutively for 5 tracks over the following track values.
0: 1/2
1: 3/4
2: 7/8
3: 15/16</td><td>Yes</td><td>Factory use only
Do not change any setting</td></tr>
<tr><td>P17
Q17
R17</td><td>PLLREV</td><td>0
1</td><td>SLOW
FAST</td><td>The compensation speed in PLL frequency compensation mode is set in two levels</td><td>Yes</td><td>Factory use only
Do not change any setting</td></tr>
<tr><td>P18
Q18
R18</td><td>PLL PHS</td><td>0
|
9
|
31</td><td>0
|
9
|
31</td><td>In the PLL response speed setting, mainly the phase pull-in speed is controlled. The response speed becomes faster with larger values.</td><td>Yes</td><td>Factory use only
Do not change any setting</td></tr>
<tr><td>P19
Q19
R19</td><td>REV LEV</td><td>0
1
2
3</td><td>0
1
2
3</td><td>The strength of the frequency pull-in operation of the PLL phase comparison characteristic expansion function is controlled in four levels. The action is weakest with 0 and strongest with 3.
When the data acquisition ratio at the time of special playback is bad, it can be improved by controlling this parameter.</td><td>Yes</td><td>Factory use only
Do not change any setting</td></tr>
</table>

Item		Set value		Setting contents and outline function explanation	BACK-UP	Remarks
No.	SUPER DISP.	No.	SUPER DISP.			
P20 Q20 R20	PLL FRQ	P20, Q20 0 | 8 | 31 R20 0 | 1 | 31	0 | 8 | 31 0 | 1 | 31	The setting of the PLL response speed controls mainly the frequency pull-in speed. The response becomes faster with larger values.	Yes	**Factory use only** **Do not change any setting**
P21 Q21 R21	MONI LIM W	0 | 28 | 127	0 | 28 | 127	Setting of the frequency offset tolerance value for PLL frequency monitor control The actual tolerance range in regard to the reference frequency is (set value)/10.24%.	Yes	**Factory use only** **Do not change any setting**
P22 Q22 R22	MONI LIM N	0 | 28 | 127	0 | 28 | 127	Setting of the frequency offset tolerance value for PLL frequency monitor control The actual tolerance range in regard to the reference frequency is (set value)/10.24%.	Yes	**Factory use only** **Do not change any setting**
P23 Q23 R23	TH EYE	0 | 110 | 255	0 | 110 | 255	Setting of the threshold value for judging the signal quality after equalization The judgment result for the signal quality is used for adaptive equalization, PLL, fault detection function, and other control.	Yes	**Factory use only** **Do not change any setting**
P24 Q24 R24	TH ULK	0 | 98 | 255	0 | 98 | 255	Setting of the threshold value for judging the signal quality after equalization The judgment result for the signal quality is used for adaptive equalization, PLL, fault detection function, and other control.	Yes	**Factory use only** **Do not change any setting**
P25 Q25 R25	TH ENV	0 | 16 | 255	0 | 16 | 255	Setting of the threshold value for the envelope detection signal The envelope detection signal is used for adaptive equalization filter, PLL, and AGC hold control.	Yes	**Factory use only** **Do not change any setting**
P26 Q26 R26	PLL LIM	0 | 7	0 | 7	In the PLL response speed setting, mainly the phase pull-in speed is controlled.	Yes	**Factory use only** **Do not change any setting**
P27 Q27 R27	VCO L	0 | 512 | 1023	0 | 512 | 1023	Setting of the initial value of the output voltage adjusting the VCO center frequency Adjustment is performed automatically in standby mode, but the time required for automatic adjustment can be reduced by setting this value in advance to a suitable value. The automatically adjusted value is read out and set. • Read-out is possible only at the time of EJECT, STANDBY-OFF. Operation: • At the time of P53, Q53: IC READ = SINGLE Read-out and display are performed each time the SET button is pressed. • At the time of P53, Q53: IC READ = CONT Read-out and display are performed once every second.	Yes	Use for electrical adjustment
P28 Q28 R28	VCO R	0 | 512 | 1023	0 | 512 | 1023		Yes	Use for electrical adjustment
P29 Q29 R29	T L1 3A	-31 | 0 | 31	-31 | 0 | 31	The initial values for six of the seven tap coefficients of the adaptive equalization filter, excluding the fixed center tap, are set for the L1 head. The tap coefficient values after adaptive equalization filter convergence at the time of standard tape playback are read out and set. • Read-out is possible only at the time of PLAY, REC. Operation: • At the time of P53, Q53: IC READ = SINGLE Read-out and display are performed each time the SET button is pressed. • At the time of P53, Q53: IC READ = CONT Read-out and display are performed once every second.	Yes	Use for electrical adjustment
P30 Q30 R30	T L1 2A	-31 | 0 | 40	-31 | 0 | 40		Yes	Use for electrical adjustment
P31 Q31 R31	T L1 1A	-88 | -32 | -4	-88 | -32 | -4		Yes	Use for electrical adjustment

Item		Set value		Setting contents and outline function explanation	BACK -UP	Remarks
No.	SUPER DISP.	No.	SUPER DISP.			
P32 Q32 R32	T L1 1B	-88 | -32 | -4	-88 | -32 | -4	The initial values for six of the seven tap coefficients of the adaptive equalization filter, excluding the fixed center tap, are set for the L1 head. The tap coefficient values after adaptive equalization filter convergence at the time of standard tape playback are read out and set. • Read-out is possible only at the time of PLAY, REC. Operation: • At the time of P53, Q53: IC READ = SINGLE Read-out and display are performed each time the SET button is pressed. • At the time of P53, Q53: IC READ = CONT Read-out and display are performed once every second.	Yes	Use for electrical adjustment
P33 Q33 R33	T L1 2B	-31 | 0 | 40	-31 | 0 | 40		Yes	Use for electrical adjustment
P34 Q34 R34	T L1 3B	-31 | 0 | 31	-31 | 0 | 31		Yes	Use for electrical adjustment
P35 Q35 R35	T L2 3A	-31 | 0 | 31	-31 | 0 | 31	The initial values for six of the seven tap coefficients of the adaptive equalization filter, excluding the fixed center tap, are set for the L2 head. The tap coefficient values after adaptive equalization filter convergence at the time of standard tape playback are read out and set. • Read-out is possible only at the time of PLAY, REC. Operation: • At the time of P53, Q53: IC READ = SINGLE Read-out and display are performed each time the SET button is pressed. • At the time of P53, Q53: IC READ = CONT Read-out and display are performed once every second.	Yes	Use for electrical adjustment
P36 Q36 R36	T L2 2A	-31 | 0 | 40	-31 | 0 | 40		Yes	Use for electrical adjustment
P37 Q37 R37	T L2 1A	-88 | -32 | -4	-88 | -32 | -4		Yes	Use for electrical adjustment
P38 Q38 R38	T L2 1B	-88 | -32 | -4	-88 | -32 | -4		Yes	Use for electrical adjustment
P39 Q39 R39	T L2 2B	-40 | 0 | 31	-40 | 0 | 31		Yes	Use for electrical adjustment
P40 Q40 R40	T L2 3B	-31 | 0 | 31	-31 | 0 | 31		Yes	Use for electrical adjustment
P41 Q41 R41	T R1 3A	-31 | 0 | 31	-31 | 0 | 31	The initial values for six of the seven tap coefficients of the adaptive equalization filter, excluding the fixed center tap, are set for the R1 head. The tap coefficient values after adaptive equalization filter convergence at the time of standard tape playback are read out and set. • Read-out is possible only at the time of PLAY, REC. Operation: • At the time of P53, Q53: IC READ = SINGLE Read-out and display are performed each time the SET button is pressed. • At the time of P53, Q53: IC READ = CONT Read-out and display are performed once every second.	Yes	Use for electrical adjustment
P42 Q42 R42	T R1 2A	-31 | 0 | 40	-31 | 0 | 40		Yes	Use for electrical adjustment
P43 Q43 R43	T R1 1A	-88 | -32 | -4	-88 | -32 | -4		Yes	Use for electrical adjustment
P44 Q44 R44	T R1 1B	-88 | -32 | -4	-88 | -32 | -4		Yes	Use for electrical adjustment
P45 Q45 R45	T R1 2B	-31 | 0 | 40	-31 | 0 | 40		Yes	Use for electrical adjustment
P46 Q46 R46	T R1 3B	-31 | 0 | 31	-31 | 0 | 31		Yes	Use for electrical adjustment

Item		Set value		Setting contents and outline function explanation	BACK-UP	Remarks
No.	SUPER DISP.	No.	SUPER DISP.			
P47 Q47 R47	T R2 3A	-31 | 0 | 31	-31 | 0 | 31	The initial values for six of the seven tap coefficients of the adaptive equalization filter, excluding the fixed center tap, are set for the R2 head. The tap coefficient values after adaptive equalization filter convergence at the time of standard tape playback are read out and set. • Read-out is possible only at the time of PLAY, REC. Operation: • At the time of P53, Q53: IC READ = SINGLE Read-out and display are performed each time the SET button is pressed. • At the time of P53, Q53: IC READ = CONT Read-out and display are performed once every second.	Yes	Use for electrical adjustment
P48 Q48 R48	T R2 2A	-31 | 0 | 40	-31 | 0 | 40		Yes	Use for electrical adjustment
P49 Q49 R49	T R2 1A	-88 | -32 | -4	-88 | -32 | -4		Yes	Use for electrical adjustment
P50 Q50 R50	T R2 1B	-88 | -32 | -4	-88 | -32 | -4		Yes	Use for electrical adjustment
P51 Q51 R51	T R2 2B	-40 | 0 | 31	-40 | 0 | 31		Yes	Use for electrical adjustment
P52 Q52 R52	T R2 3B	-31 | 0 | 31	-31 | 0 | 31		Yes	Use for electrical adjustment
P53 Q53 R53	IC READ	0 1 2	OFF SINGLE CONT	The following data are read out from the EQ200 IC. However, there are limitations according to the mode. Data which can be read-out only at the time of PLAY, REC ENV L1 ENV L2 ENV R1 ENV R1 T L1 3A T L1 2A T L1 1A T L1 1B T L1 2B T L1 3B T L2 3A T L2 2A T L2 1A T L2 1B T L2 2B T L2 3B T R1 3A T R1 2A T R1 1A T R1 1B T R1 2B T R1 3B T R2 3A T R2 2A T R2 1A T R2 1B T R2 2B T R2 3B Data which can be read-out only at the time of EJECT, STANDBY-OFF VCO L VCO R 0: No read-out 1: Read-out each time the SET button is pressed. 2: Read-out is performed once every second. • The setting is held until exit from RP ADJUST.	No	Use for electrical adjustment
P60 Q60 R60	VITERBI MODE	0 1 2 3	OFF PR4 EPR4 AUTO	Setting whether Viterbi decoding is to be used for detection of playback data or not • The setting is held until exit from 50M ADJUST, 25M ADJUST DV ADJUST.	No	Use for electrical adjustment
P61 Q61 R61	EQ STB	0 1	OFF ON	ON/OFF setting for the automatic standby detection function Automatic standby detection function: When the playback envelope is not detected for several seconds, the mode automatically shifts to standby mode (the mode where playback processing is stopped and the VCO center frequency is adjusted automatically). • The setting is held until exit from 50M ADJUST, 25M ADJUST DV ADJUST.	No	**Factory use only**
P62 Q62 R62	AEQ MODE	0 1	OFF ON	Setting of the Adaptive EQ function of the adaptive equalization filter • The setting is held until exit from 50M ADJUST, 25M ADJUST.	No	Use for electrical adjustment
P63 Q63 R63	AEQ HOLD	0 1	OFF ON	ON/OFF setting for the function for temporary holding of adaptive equalization control during the transitional period when the relative speed changes. • The setting is held until exit from 50M ADJUST, 25M ADJUST DV ADJUST.	No	**Factory use only**

Item		Set value		Setting contents and outline function explanation	BACK -UP	Remarks
No.	SUPER DISP.	No.	SUPER DISP.			
P64 Q64 R64	FLT MODE	0 1	OFF ON	ON/OFF setting for the fault detection function Fault detection function: When the adaptive filter or the PLL drops into a divergent state at the time of mode switching like search etc., and a status is detected where no normal signal can be detected over a period of 5 tracks or more, this function pulls the status of the adaptive filter or the PLL to the initial status. • The setting is held until exit from 50M ADJUST, 25M ADJUST DV ADJUST.	No	**Factory use only**
P65 Q65 R65	PLL MONI	0 1	OFF ON	ON/OFF setting for PLL frequency monitor control Frequency monitor control: When a status is detected where the playback clock frequency at the time of mode switching during palyback is outside the permissible range set by MONI LIM PB1 for the specified time or longer, this function automatically pulls the frequency back to the reference frequency corresponding to the relative speed. • The setting is held until exit from 50M ADJUST, 25M ADJUST DV ADJUST.	No	**Factory use only**
P66 Q66 R66	MONI KINDSEL	1 2 3	ENV EYEE EYEO	Selection of monitor signal • The setting is held until exit from 50M ADJUST, 25M ADJUST DV ADJUST.	No	Use for electrical adjustment
P67 Q67 R67	MONI CHSEL	0 1 2 3 4	OFF PBL PBR RPL RPR	Selection of monitor channel(Head) • The setting is held until exit from 50M ADJUST, 25M ADJUST DV ADJUST.	No	Use for electrical adjustment
P68 Q68 R68	ECC MODE	0 1 2	ALL ON OT OFF AL OFF	Setting of error correction control 0: Error correction for INNER and OUTER. 1: Error correction only for INNER, but not for OUTER. 2: No error correction for INNER and OUTER. • The setting is held until exit from 50M ADJUST, 25M ADJUST DV ADJUST.	No	
P69 Q69 R69	CONCEAL MOD	0 1	ON OFF	Setting of error revision control 0: Error revision is performed. 1: Error revision is not performed. • The setting is held until exit from 50M ADJUST, 25M ADJUST DV ADJUST.	No	
P70 Q70 R70	ERROR MODE	0 1	FAST SLOW	Setting of the error sampling time 0: FAST mode 1: SLOW mode • The setting is held until exit from 50M ADJUST, 25M ADJUST DV ADJUST.	No	
P71 Q71 R71	TRACKING MOD	P71, Q70 0 1	 ATF CTL	Tracking mode setting 0: ATF tracking 1: CTL tracking • The setting is held until exit from 50M ADJUST, 25M ADJUST DV ADJUST.	No	
		R71 2 3	 AUTO L AUTO R	Tracking mode setting 2: L Head tracking 3: R Head tracking Only DV master tape can use for DV Adjustment. • The setting is held until exit from 50M ADJUST, 25M ADJUST,DV ADJUST.		Use for electrical adjustment
P72 Q72 R72	TRACKING VAL	-128 | 0 | 127	-128 | 0 | 127	Offset value setting for CTL tracking • Effective only at the time of TRACKING MOD = CTL. • The setting is held until exit from 50M ADJUST, 25M ADJUST DV ADJUST.	No	
P73 Q73 R73	ATF HEAD	0 1	PB RP	Head selection for ATF tracking 0: PB head 1: RP head	No	

C00: V IN ADJUST

V IN ADJUST subscreen

Item		Item contents
No.	SUPER DISP.	
C-1	CMPNT ADJUST	Adjustment of the Component Input signal
C-2	CMPST ADJUST	Adjustment of the Composite Input signal

CMPNT ADJUST

Item		Set value		Setting contents and outline function explanation	BACK-UP	Remarks
No.	SUPER DISP.	No.	SUPER DISP.			
C01	NENT Y GAIN	-128 | 127	-128 | 127	Adjustment of the Component Y level.	Yes	
C02	NENT Y OFS	-128 | 127	-128 | 127	Adjustment of the Component Y offset level.	Yes	
C03	NENT PB GAIN	-128 | 127	-128 | 127	Adjustment of the Component PB level.	Yes	
C04	NENT PB OFS	-128 | 127	-128 | 127	Adjustment of the Component PB offset level.	Yes	
C05	NENT PB TMG	-50 | 49	-50 | 49	Adjustment of the Component PB timing	Yes	
C06	NENT PR GAIN	-128 | 127	-128 | 127	Adjustment of the Component PR level	Yes	
C07	NENT PR OFS	-128 | 127	-128 | 127	Adjustment of the Component PR offset level.	Yes	
C08	NENT PR TMG	-50 | 49	-50 | 49	Adjustment of the Component PR timing	Yes	

CMPST ADJUST

Item		Set value		Setting contents and outline function explanation	BACK-UP	Remarks
No.	SUPER DISP.	No.	SUPER DISP.			
C01	SITE Y GAIN	-128 | 127	-128 | 127	Adjustment of the Composite Y level	Yes	
C02	SITE Y OFS	-128 | 127	-128 | 127	Adjustment of the Composite Y offset level	Yes	
C03	SITE PB GAIN	-128 | 127	-128 | 127	Adjustment of the Composite PB level	Yes	
C04	SITE PB OFS	-128 | 127	-128 | 127	Adjustment of the Composite PB offset level	Yes	
C05	SITE PB TMG	-50 | 49	-50 | 49	Adjustment of the Composite PB timing	Yes	
C06	SITE PR GAIN	-128 | 127	-128 | 127	Adjustment of the Composite PR level	Yes	
C07	SITE PR OFS	-128 | 127	-128 | 127	Adjustment of the Composite PR offset level	Yes	
C08	SITE PR TMG	-50 | 49	-50 | 49	Adjustment of the Composite PR timing	Yes	
C09	SITE CAXIS	-128 | 127	-128 | 127	Adjustment of the Composite chroma phase	Yes	

D00: V OUT ADJUST

V OUT ADJUST subscreen

Item		Item contents
No.	SUPER DISP.	
D-1	CMPNT ADJUST	Adjustment of the Component Output signal
D-2	CMPST ADJUST	Adjustment of the Composite Output signal

CMPNT ADJUST

Item		Set value		Setting contents and outline function explanation	BACK -UP	Remarks
No.	SUPER DISP.	No.	SUPER DISP.			
D01	NENT Y LEV	-50 | 49	-50 | 49	Adjustment of the Component Y level	Yes	
D02	NENT Y FREQ	-50 | 49	-50 | 49	Adjustment of the Component Y Frequency characteristic	Yes	
D03	NENT SYNC DC	-128 | 127	-128 | 127	Adjustment of the Component Sync DC	Yes	
D04	NENT PB LEV	-50 | 49	-50 | 49	Adjustment of the Component PB level	Yes	
D05	NENT PB FREQ	-50 | 49	-50 | 49	Adjustment of the Component PB Frequency characteristic	Yes	
D06	NENT PB TMG	-50 | 49	-50 | 49	Adjustment of the Component PB timing	Yes	
D07	NENT PR LEV	-50 | 49	-50 | 49	Adjustment of the Component PR level	Yes	
D08	NENT PR FREQ	-50 | 49	-50 | 49	Adjustment of the Component PR Frequency characteristic	Yes	
D09	NENT PR TMG	-50 | 49	-50 | 49	Adjustment of the Component PR timing	Yes	

CMPST ADJUST

Item		Set value		Setting contents and outline function explanation	BACK -UP	Remarks
No.	SUPER DISP.	No.	SUPER DISP.			
D01	SITE Y LEV	-50 | 49	-50 | 49	Adjustment of the Composite Y level	Yes	
D02	SITE Y FREQ	-50 | 49	-50 | 49	Adjustment of the Composite Y Frequency characteristic	Yes	
D03	SITE Y SETUP	-128 | 127	-128 | 127	Adjustment of the Composite(NTSC) SETUP level	Yes	
D04	SITE C LEV	-50 | 49	-50 | 49	Adjustment of the Composite Chroma level	Yes	
D05	SITE C TMG	-50 | 49	-50 | 49	Adjustment of the Composite Chroma timing	Yes	
D06	SITE SYNC DC	-128 | 127	-128 | 127	Adjustment of the Composite Sync DC	Yes	
D07	SITE SCH	-64 | 63	-64 | 63	Adjustment of the Composite SCH	Yes	

F00: VIDEO ADJUST

Item		Set value		Setting contents and outline function explanation	BACK -UP	Remarks
No.	SUPER DISP.	No.	SUPER DISP.			
F03	VIDEO MUTE	0 1	NORMAL MUTE	This menu is only for Factory use. Select whether the VIDEO output is to be made gray or not 0:Normal output 1:Forced gray output	No	
F06	EE TEST MODE	0 1	NORMAL DCI RT	EE check for the entire signal processing system 0:Bus EE (EE1) 1:Full EE (EE2)	No	
F10	TELETEXT INI	0 1	MOJI NABTS	Factory default setting of Menu No802 : TELETEXT INI is selected. 0:MOJI (Shipping for T) 1:NABTS (Shipping for P, E) * Menu No802 is only valid for 525 mode.	Yes	
F11	V SETUP	0 1	OFF ON	Switching of effective/not effective for SETUP-MENU 622: SETUP 25, 623:SETUP50 0:SETUP-MENU 622: SETUP 25, 623: SETUP50 is not displayed and THRU is sent forcibly to AV. (Shipping setting for T) 1:SETUP-MENU 622: SETUP 25, 623: SETUP50 is displayed and the set value is sent to AV. (Shipping setting for P, E) Menu No 622, 623 is only valid for 525 mode.	Yes	
F12	SDTI FORMAT	0 1	NORMAL THRU	This menu is only for Factory use. 0:Some SDTI data is converted to follow the SDTI format. 1:The data from the tape is outputted as it is.	No	
F15	22L BLANK	0 1	OFF ON	Switching of effective/not effective for SETUP-MENU 805: 22 & 285 BLANK 0:SETUP-MENU 805: 22 & 285 BLANK is not displayed and OFF is sent forcibly to AV. (Shipping setting for P, E) 1:SETUP-MENU 805: 22 & 285 BLANK is displayed and the set value is sent to AV. (Shipping setting for T)	Yes	
F17	GAP COUNT	0 | 40 | 64	0 | 40 | 64	Setting of the GAP COUNT for DVCPRO I/F This menu is only for Factory use.	Yes	

G00: AUDIO ADJUST

Item		Set value		Setting contents and outline function explanation	BACK -UP	Remarks
No.	SUPER DISP.	No.	SUPER DISP.			
G01	REF_LEVEL1	0 1 2	FS-20 FS-18 FS-12	Selection of the audio I/O reference level 0: Full scale -20 dB (Shipping setting for T,P) 1: Full scale -18 dB (Shipping setting for E) 2: Full scale -12 dB • Change of the set value is possible only when G02: REF_LEVEL2 = 0 dB has been set. • The marker for REF LEVEL is not displayed on the Front Panel when FS-12 is selected with FINE mode (front meter).	Yes	
G02	REF_LEVEL2	0 1	0dB -3dB	Selection of the SETUP-MENU set value for switching of the audio I/O reference level. • Set value change is possible only when G01:REF LEVEL 1 = FS-18 has been set.	Yes	
G03	REF LV INI	0 1	0dB 4dB	Setting of the factory default value of the SETUP-MENU for audio I/O reference level switching. 701:CH1 IN LV 707:CH2 OUT LV 702:CH2 IN LV 708:CH3 OUT LV 703:CH3 IN LV 709:CH4 OUT LV 704:CH4 IN LV 710:CUE OUT LV 705:CUE IN LV 711:MONIL OUT LV 706:CH1 OUT LV 712:MONIR OUT LV 0: 0 dB (Shipping setting for P,E) 1: 4 dB (Shipping setting for T)	Yes	
G06	AES PHS CORR	0 1	NORMAL OFF	Select whether AES/EBU output is synchronized with Video output or not. 0: AES/EBU is synchronized with Video Output. 1: AES/EBU is not synchronized with Video Output.	Yes	

Item		Set value		Setting contents and outline function explanation	BACK -UP	Remarks
No.	SUPER DISP.	No.	SUPER DISP.			
G08	AUD PB MODE	0 1	MODE1 MODE2	Setting of audio playback mode 0: NOMAL Mode 1: Setting is carried out when directly editing the jointed tape on which recording was performed with a camera recorder or playing back the edited tape.	Yes	
G09	LINE OUT CUE	0 1	OFF ON	Setting whether CUE signal is forcibly outputted from LINE OUTPUT terminal. OFF: This function doesn't work. ON: CUE Signal is outputted.	No	

H00: OTHER ADJUST

Item		Set value		Setting contents and outline function explanation	BACK -UP	Remarks
No.	SUPER DISP.	No.	SUPER DISP.			
H01	STILL LIMIT	0 1	2 min 6 min	Set the maximum value of the "SETUP-MENU 400 : STILL TIMER". Decide whether the still timer should be reset when the STANDBY-ON command is received during the STOP mode. 0:2 min/The still timer should not be reset 1:6 min/The still timer should be reset	Yes	
H02	LTC OUT SEL	0 1	N-STOP STOP	Selection of TC output according to the mode or not 0: Output always, independent of the mode 1: ON/OFF switching of the TC output according to the VTR mode. However, the TC output always is ON at the time of SETUP MENU 317: AUD MEM MODE = AMU_X, AMU_VO.	Yes	
H03	SYSTEM TYPE	0 1	TYPE 1 TYPE 2	Selection whether 2.3x speed is added to SHTL mode or not 0: No 2.3 speed 1: 2.3 speed exists	Yes	
H07	DET DISCONT	0 1	OFF ON	The action is selected when CTL discontinued point exist during insert edit mode. 0: VTR keeps to edit 1: VTR ends editing and shift to STOP mode In this case, E-00 (SERVO NOT LOCKED) is displayed on the front panel.	Yes	
H08	PLD WR SEL	0 1 2 3 4 5 6 7 8 9	OFF AUDIO V_IN APROC SDI D-I/F REC_PB V_OUT SYSCON SERVO	The item to be copied for PLD is selected.	No	

H02: TC output in case of LTC OUT SEL = STOP setting

TC INT/EXT	Mode	VV / EE	TC output
INT	EJECT STOP STANDBY OFF JOG/VAR/SHTL STILL	—	OFF
	Others	—	ON
EXT	EJECT STOP STANDBY OFF JOG/VAR/SHTL STILL	VV (including BLACK, GLAY of EJECT)	OFF
		EE	ON
	Others	—	ON

14. ERROR MESSAGES

Warning messages

Priority	● Monitor display ● Description ● VTR operation and corrective action
High	**E-04 (UNKNOWN SIG)** This appears when the SDTI input signals are not DVCPRO or DV format signals. (The data stream format complies with the SMPTE 321M standard.) **VTR:** No recording operations can be performed. ● Check whether the SDTI input has been connected properly. (This warning is displayed when SDI signals are being input.)
	E-11 (NOT 1×25M SIG) This appears when the SDTI input signals are not DVCPRO (25 Mbps) format 1× transfer signals. **VTR:** No recording operations can be performed. ● Check the SDTI input signals.
	E-12 (NOT 1×50M SIG) This appears when the SDTI input signals are not DVCPRO50 (50 Mbps) format 1× transfer signals. **VTR:** No recording operations can be performed. ● Check the SDTI input signals.
	E-16 (INVALID VIDEO SIG) This appears when the compressed video signals in the SDTI input signals are invalid. ● This warning appears only during recording operations. In cases like this, no signals are recorded on the tape and only the erasure of the existing signals will be performed. **VTR:** Operation continues. No editing operations can be performed. ● Check the SDTI input signals. Playback signals of tape on which material has not been recorded may be being input.
	E-17 (INVALID AUDIO SIG) This appears when the audio signals in the SDTI input signals are invalid. ● This warning appears only during recording operations. In cases like this, the signals are recorded with the audio signals muted. **VTR:** Operation continues. No editing operations can be performed. ● Check the SDTI input signals. Signals from other than a VTR with 1× playback may be being input.
	E-18 (INVALID TC SIG) This appears when the time codes in the SDTI input signals are invalid. ● This warning appears only during recording operations. In cases like this, the internally generated time codes are recorded. **VTR:** Operation continues. No editing operations can be performed. ● Check the time code being input from the components.
	E-10 (FAN STOP) This is displayed when the fan motor stops. **VTR:** Operation continues. ● Check that nothing is obstructing the fan movement.
	E-09 (NO RF) This appears during playback when a blank section (tape blank) lasting for one or more seconds has been detected. Such a section is identified as a tape blank when all of the following conditions are met. ● No head outputs ● No playback data readout ● No CTL (Excluding DV and DVCAM tapes) **VTR:** Operation continues. ● Check the tape. A tape on which material has not been recorded may have been inserted.
	E-00 (SERVO NOT LOCKED) This appears when the servo is not locked for three or more seconds during playback, recording, or editing. **VTR:** Operation continues. ● Check the tape. A tape recorded other than PAL format may have been inserted.
	E-01 (LOW RF) This appears when envelope levels approximately 1/3 that of normal levels are detected for more than one second during playback, recording, or editing. **VTR:** Operation continues. ● Clean the video heads.
Low	**E-02 (HIGH ERROR RATE)** This appears when the error rate has increased to the extent that correction or interpolation was performed on either the video or audio signals. **VTR:** Operation continues. ● Clean the video heads.

Error messages

Display	• Description • VTR operation and corrective action
E-20 **DEW**	If condensation is detected, the error number flashes and the unit transfers to eject mode. The drum rotates after the cassette is ejected to eliminate the condensation. Once the unit is released from condensation status, the error message display is cleared and the VTR is able to be used. • If condensation is detected in the eject mode, the drum starts rotating as soon as it is detected. • If condensation is detected when the cassette has been inserted, the drum rotation is stopped, and after the tape is ejected, the drum starts rotating. **VTR:** EJECT • Leave the power on and wait.
E-29 **FRONT LOAD MOTOR**	The unit switches to eject mode and if the cassette fails to move up within 6 seconds, this error number flashes on the display. • If the cassette does not move down inside the machine even when 6 seconds have elapsed since the cassette was inserted, the VTR is transferred to the eject mode. **VTR:** STOP • Set the POWER switch to OFF and then to ON again.
E-31 **LOADING MOTOR**	If the unloading operation is not completed within 6 seconds, this error number flashes on the display. • When the loading operation is not completed within 6 seconds, the VTR is transferred to the eject (unloading) mode. **VTR:** STOP • Set the POWER switch to OFF and then to ON again.
E-35 **SERVO CONTROL ERROR**	If there is no response from the servo microcomputer for 1 second or more, this error number flashes on the display. **VTR:** STOP • Set the POWER switch to OFF and then to ON again.
E-37 **SERVO COMM ERROR**	If 10 seconds or more elapses and the servo microcomputer has not followed orders issued by the system control microcomputer, this error number flashes on the display. **VTR:** STOP • Set the POWER switch to OFF and then to ON again.
E-38 **SERVO FG ERROR**	If automatic adjustment of the reel and capstan rotation in eject status was not performed correctly when the power was turned on, this error number flashes on the display. **VTR:** STOP • Set the POWER switch to OFF and then to ON again.
E-51 **FRONT LOAD ERROR**	If the take-up reel rotates without engaging for a specific period of time during the start or end processing operation while loading is underway (half position), this error number flashes on the display. **VTR:** STOP • Set the POWER switch to OFF and then to ON again.
E-52 **W-UP REEL NOT ROTA**	If the take-up reel fails to take up the tape while the tape is travelling in the state where the total amount of the tape has not yet been detected after the cassette was inserted, this error number flashes on the display. **VTR:** STOP • Set the POWER switch to OFF and then to ON again.
E-53 **WINDUP ERROR**	If there is an abnormally large discrepancy between the amount of tape taken up by the take-up reel and the amount of tape supplied by the supply reel while the tape is travelling after the total amount of the tape begins to be detected, this error number flashes on the display. **VTR:** STOP • Set the POWER switch to OFF and then to ON again.
E-55 **UNLOAD ERROR**	If the tape has not been taken up during unloading, this error number flashes on the display. **VTR:** STOP • Set the POWER switch to OFF and then to ON again.
E-57 **S-FF/REW TIMEOVER**	If the start or end processing operation is not completed, this error number flashes on the display. **VTR:** STOP • Set the POWER switch to OFF and then to ON again.
E-59 **DRUM ROTA TOO SLOW**	If the cylinder motor speed is abnormally low, this error number flashes on the display. **VTR:** STOP • Set the POWER switch to OFF and then to ON again.
E-60 **DRUM ROTA TOO FAST**	If the cylinder motor speed is abnormally high, this error number flashes on the display. **VTR:** STOP • Set the POWER switch to OFF and then to ON again.
E-61 **CAP ROTA TOO SLOW**	If the capstan motor speed is abnormally low, the error number flashes on the display. **VTR:** STOP • Set the POWER switch to OFF and then to ON again.

Error messages

Display	● Description ● VTR operation and corrective action
E-64 **S REEL ROTA TOO FAST**	If the supply reel motor speed is abnormally high, the error number flashes on the display. **VTR:** STOP ● Set the POWER switch to OFF and then to ON again.
E-67 **T REEL ROTA TOO FAST**	If the take-up reel motor speed is abnormally high, the error number flashes on the display. **VTR:** STOP ● Set the POWER switch to OFF and then to ON again.
E-69 **T REEL TORQUE ERR**	If excess torque being applied to the take-up reel motor is detected, the error number flashes on the display. **VTR:** STOP ● Set the POWER switch to OFF and then to ON again.
E-70 **S REEL TORQUE ERR**	If excess torque being applied to the supply reel motor is detected or an abnormal current flowing to the current detection resistor is detected, this error number flashes on the display. **VTR:** STOP ● Set the POWER switch to OFF and then to ON again.
E-71 **CAP TENSION ERROR**	If abnormal tension at the supply side is detected in the capstan mode, the error number flashes on the display. **VTR:** STOP ● Set the POWER switch to OFF and then to ON again.
E-72 **REEL TENSION ERROR**	If abnormal tension at the supply side is detected in the reel mode, the error number flashes on the display. **VTR:** STOP ● Set the POWER switch to OFF and then to ON again.
E-73 **REEL DIR UNMATCH**	If the take-up reel motor has rotated in the reverse direction, this error number flashes on the display. **VTR:** STOP ● Set the POWER switch to OFF and then to ON again.
E-74 **DRUM TORQUE ERROR**	If excess torque being applied to the cylinder motor is detected, this error number flashes on the display. **VTR:** STOP ● Set the POWER switch to OFF and then to ON again.
E-78 **M-IF COMM ERROR**	If a problem has been encountered in communication between the servo microcomputer and mechanism relay board, this error number flashes on the display. **VTR:** STOP ● Set the POWER switch to OFF and then to ON again.

15. APPENDIX

Flash ROM software version up can be done via RS232C terminal.

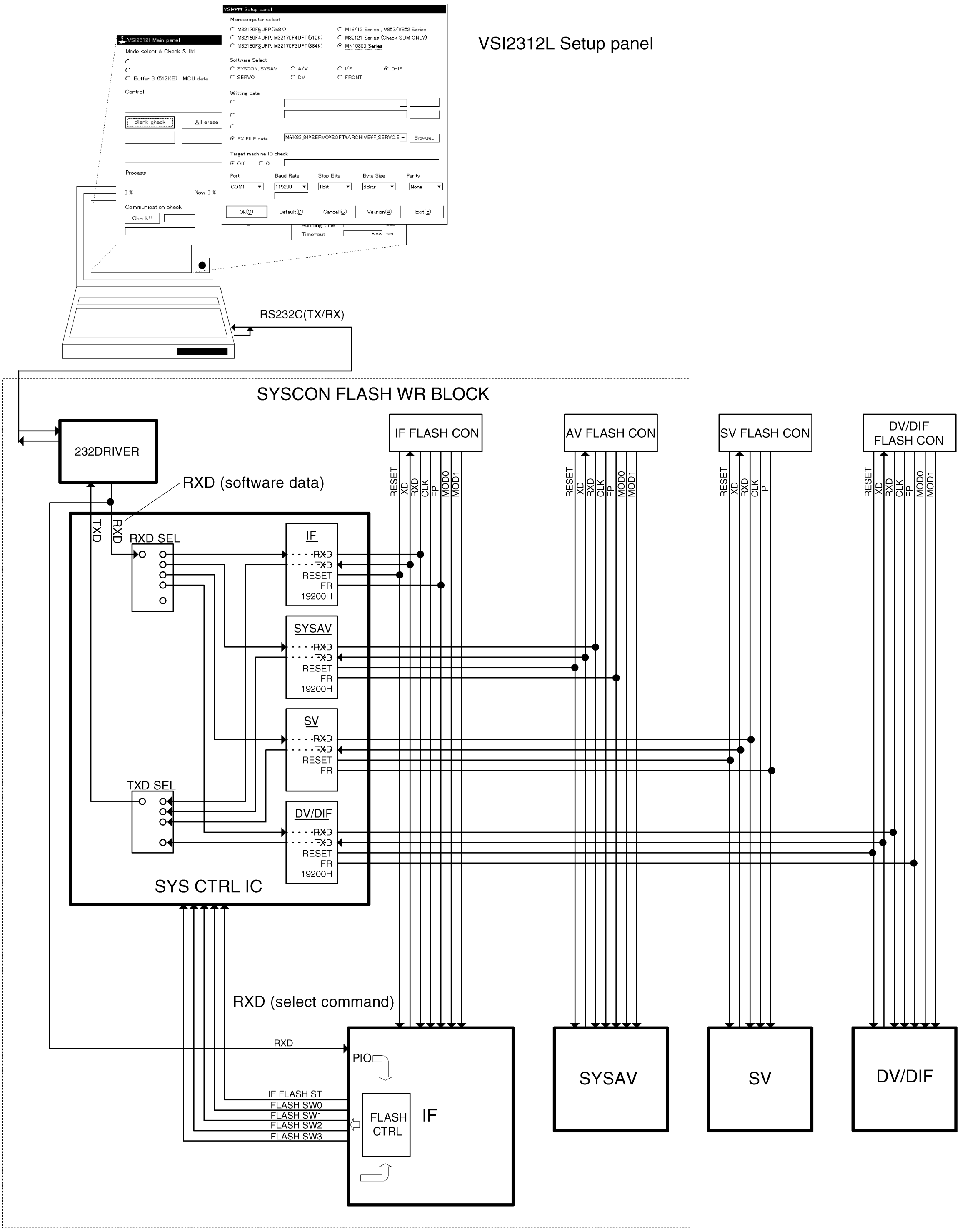
SYS CTRL IC (IC600) decide which IC (SYSAV, DV, IF, SERVO) should be copied based on the command from Personal computer (version up software).

This command is decided in "Software Select window" of VSI2312L Setup panel and sent to SYS CTRL IC (IC600) via I/F ROM.

Hence if I/F ROM doesn't work well, (For example: AV software is copied to I/F ROM by mistake) the command can not be sent to SYS CTRL IC so that Flash ROM software version up via RS232C terminal can not be made. (I/F software is also impossible to copy via RS232C terminal)

In this case(If another software is copied to I/F ROM by mistake), Flash ROM software should be copied from Personal computer to I/F ROM via the connector on the P.C.B using the flash memory version up tool (VFK1304A).

Following are the explanation to copy the flash ROM using VFK1304A.



VSI2312L Setup panel

VSI2312I Main panel

Mode select & Check SUM
- ○
- ○
- ○ Buffer 3 (512KB) : MCU data

Control

Process: 0 % Now 0 %

Communication check

Time-out ＊.＊＊ sec

VSI＊＊＊＊ Setup panel

Microcomputer select
- ○ M32170F6UFP(768K)
- ○ M32160F4UFP, M32170F4UFP(512K)
- ○ M32160F3UFP, M32170F3UFP(384K)
- ○ M16/12 Series , V853/V852 Series
- ○ M32121 Series (Check SUM ONLY)
- ● MN10300 Series

Software Select
- ○ SYSCON, SYSAV
- ○ SERVO
- ○ A/V
- ○ DV
- ○ I/F
- ○ FRONT
- ● D-IF

Writting data
- ○
- ○
- ○
- ● EX FILE data: M:¥K83_84¥SERVO¥SOFT¥ARCHIVE¥F_SERVO.E

Target machine ID check
- ● Off
- ○ On

Port	Baud Rate	Stop Bits	Byte Size	Parity
COM1	115200	1Bit	8Bits	None

Blank check
All erase
Check!!
Running time
sec
Browse...
Ok(O)
Default(D)
Cancel(C)
Version(A)
Exit(E)
RS232C(TX/RX)
SYSCON FLASH WR BLOCK
232DRIVER
RXD (software data)
TXD
RXD
RXD SEL
TXD SEL
IF
SYSAV
SV
DV/DIF
RXD
TXD
RESET
FR
19200H
SYS CTRL IC
IF FLASH CON
AV FLASH CON
SV FLASH CON
DV/DIF FLASH CON
RESET
IXD
RXD
CLK
FP
MOD0
MOD1
RXD (select command)
RXD
PIO
IF FLASH ST
FLASH SW0
FLASH SW1
FLASH SW2
FLASH SW3
FLASH CTRL
IF
SYSAV
SV
DV/DIF

15-1. FLASH ROM VERSION UP PROCEDURE for I/F ROM using Flash memory version up tool (VFK1304A)

<Preparation>

Connection of the flash memory version up tool

Turn off the power of the VTR and the personal computer and then connect them as shown in the following figure. Pay attention not to confuse the connection direction (top, bottom) for the flat cable of the flash memory version up tool (VFK1304A).

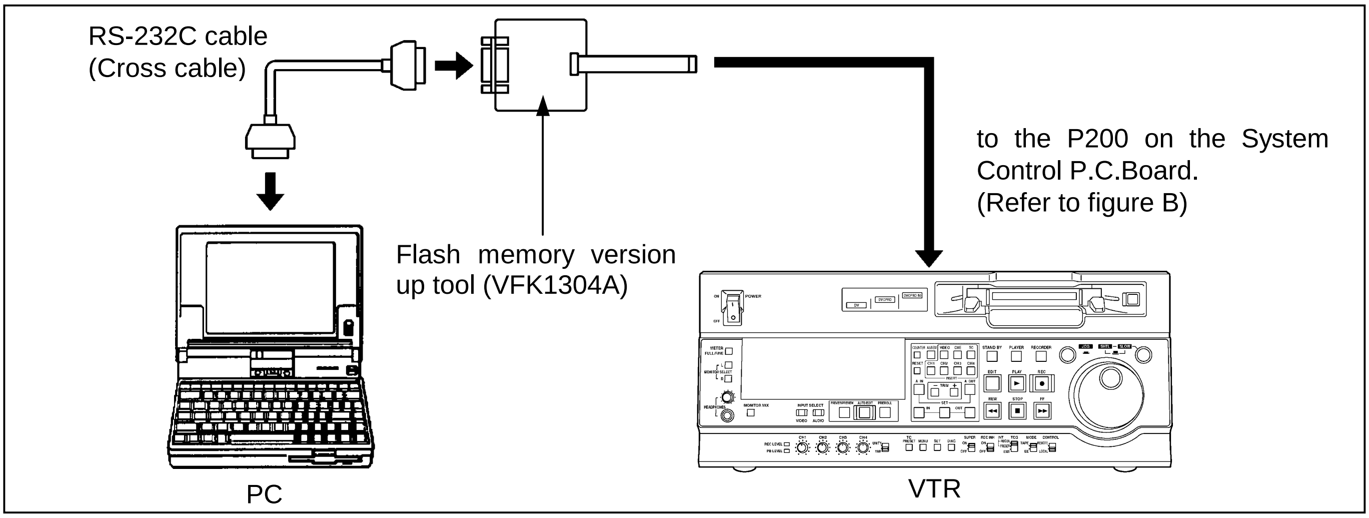

RS-232C cable
(Cross cable)
to the P200 on the System Control P.C.Board.
(Refer to figure B)
Flash memory version up tool (VFK1304A)
PC
VTR

Figure A

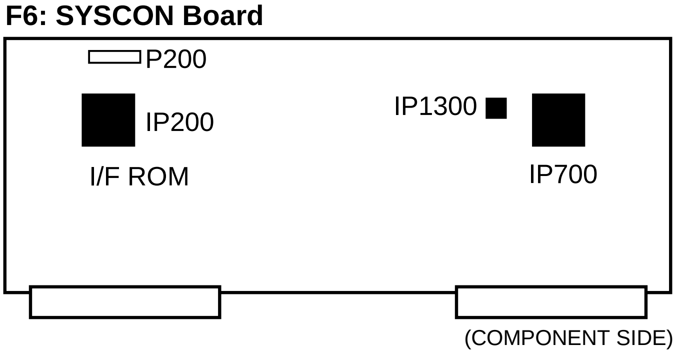

F6: SYSCON Board
P200
IP200
I/F ROM
IP1300
IP700
(COMPONENT SIDE)

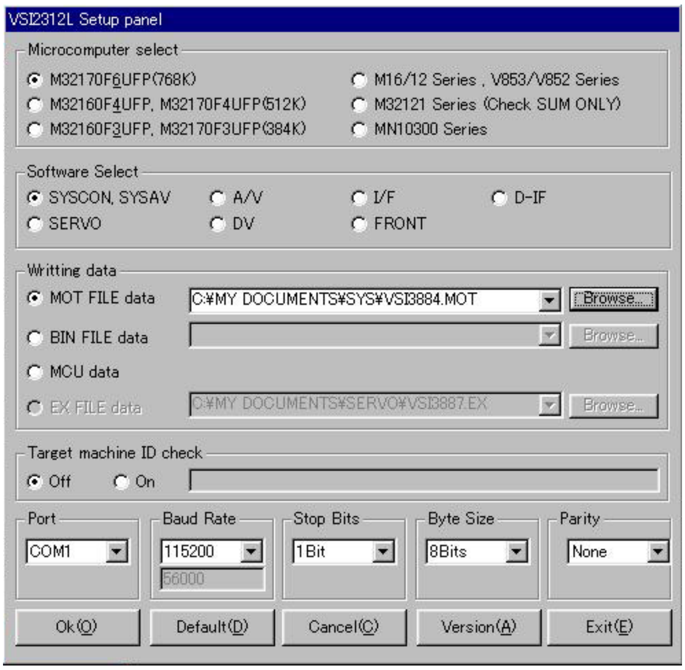
Figure B

1. Prepare a personal computer (Windows95 or 98)
2. Install the version up software VFK**** into the personal computer.
   VFK**** consist of following 5 types of software.

   f_servo.obf
   FW103u.exe
   VSI2312L.exe
   Setting ini

< I/F software (Flash ROM) Version UP >

1. Copy the program software (I/F:VSIXXX.mot) into the personal computer.
2. Turn on the VTR power.
3. Excute the VSI2312L. exe so that the following screen appears.



VSI2312L Setup panel

Microcomputer select
● M32170F6UFP(768K)
○ M32160F4UFP, M32170F4UFP(512K)
○ M32160F3UFP, M32170F3UFP(384K)
○ M16/12 Series , V853/V852 Series
○ M32121 Series (Check SUM ONLY)
○ MN10300 Series

Software Select
● SYSCON, SYSAV
○ A/V
○ I/F
○ D-IF
○ SERVO
○ DV
○ FRONT

Writting data
● MOT FILE data C:¥MY DOCUMENTS¥SYS¥VSI3884.MOT
○ BIN FILE data
○ MCU data
○ EX FILE data C:¥MY DOCUMENTS¥SERVO¥VSI3887.EX

Target machine ID check
● Off ○ On

Port: COM1
Baud Rate: 115200 (56000)
Stop Bits: 1Bit
Byte Size: 8Bits
Parity: None

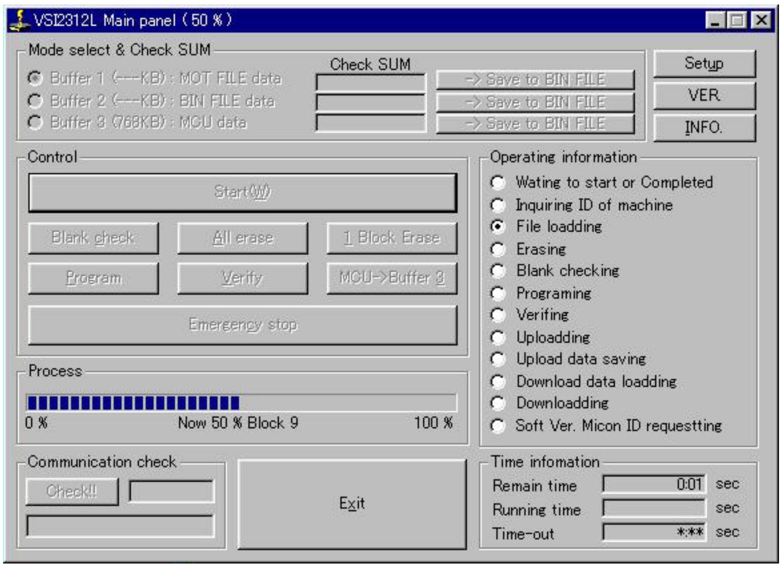
Browse...
Browse...
Browse...
Ok(O)
Default(D)
Cancel(C)
Version(A)
Exit(E)

Figure 1

4. Select the each item as below;

Microcomputer select	M32170F6UFP (768K)
Software select	I/F
Writing data	MOT FILE data→ Select the program software (VSIXXX.mot) which was copied at item 1).
Target machine ID check	Off (default)
Port	COM1
Baud Rate	115200
STOP Bits	1 Bit (default)
Byte Size	8 Bits (default)
Parity	None (default)

5. Press **“OK”** button so that the following screen appears and Check sum is calculated. (refer to figure 2)



VSI2312L Main panel (50 %)

Mode select & Check SUM
● Buffer 1 (---KB) : MOT FILE data
○ Buffer 2 (---KB) : BIN FILE data
○ Buffer 3 (768KB) : MCU data

Operating information
○ Wating to start or Completed
○ Inquiring ID of machine
● File loadding
○ Erasing
○ Blank checking
○ Programing
○ Verifing
○ Uploadding
○ Upload data saving
○ Download data loadding
○ Downloadding
○ Soft Ver. Micon ID requestting

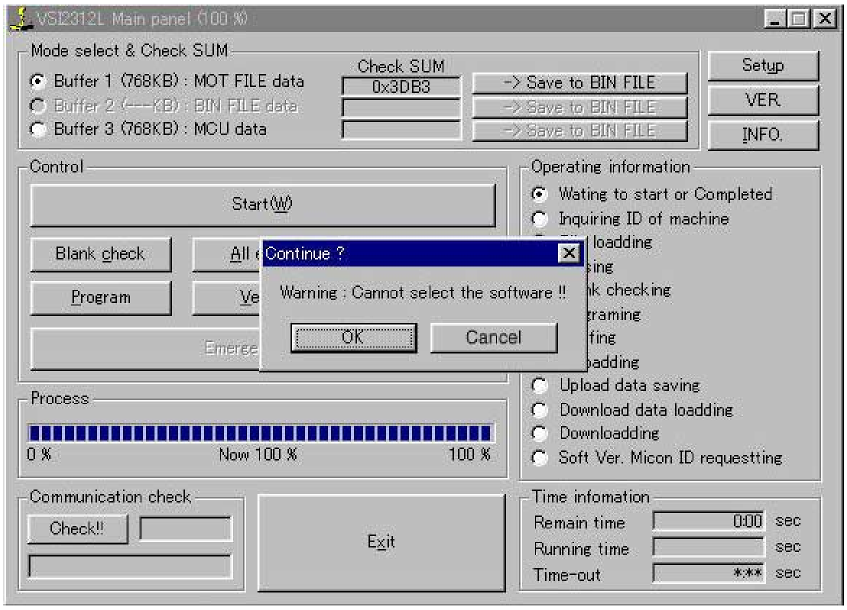
Process
0 % Now 50 % Block 9 100 %

Time infomation
Remain time 0:01 sec
Running time sec
Time-out *** sec

Check SUM
-> Save to BIN FILE
-> Save to BIN FILE
-> Save to BIN FILE
Setup
VER
INFO.
Control
Start(W)
Blank check
All erase
1 Block Erase
Program
Verify
MCU->Buffer 3
Emergency stop
Communication check
Check!!
Exit

Figure 2

6. Check sum is displayed upper side on the screen after the process of item 5).
7. Press **"Start"** button so that the following screen appears. (refer to figure 3)


VSI2312L Main panel (100 %)

Mode select & Check SUM

● Buffer 1 (768KB) : MOT FILE data

○ Buffer 2 (---KB) : BIN FILE data

○ Buffer 3 (768KB) : MCU data

Check SUM: 0x3DB3

Continue ?

Warning : Cannot select the software !!

Process: 0 % Now 100 % 100 %

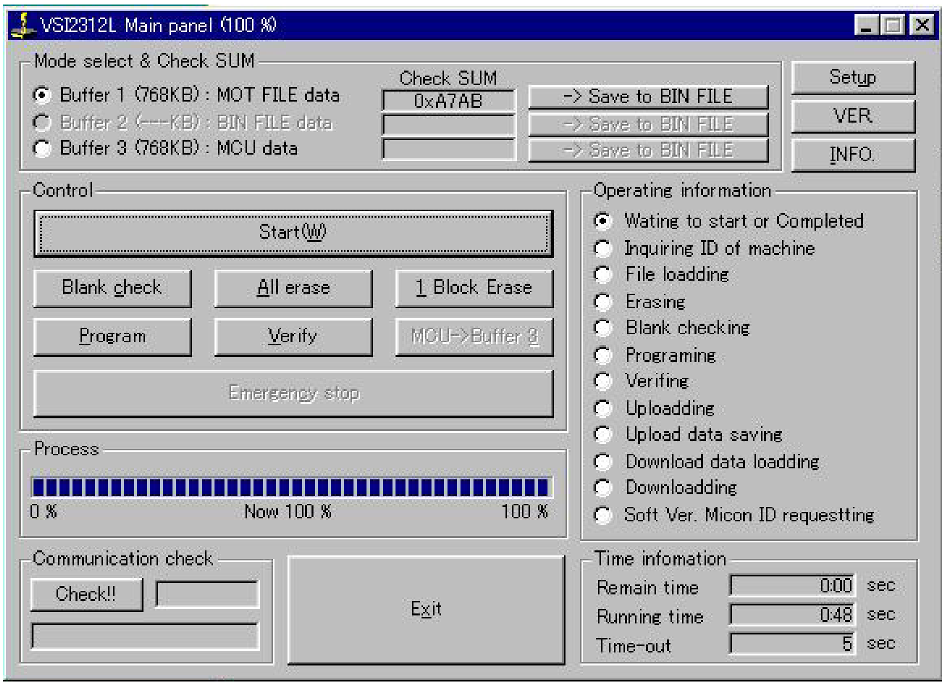
Operating information: ● Wating to start or Completed

Time infomation: Remain time 0:00 sec; Running time sec; Time-out *:** sec

-> Save to BIN FILE
-> Save to BIN FILE
-> Save to BIN FILE
Setup
VER.
INFO.
Control
Start(W)
Blank check
All e
Program
Ve
Emerge
OK
Cancel
Inquiring ID of machine
loadding
ing
k checking
raming
fing
padding
Upload data saving
Download data loadding
Downloadding
Soft Ver. Micon ID requestting
Communication check
Check!!
Exit

Figure 3

8. Press **"OK"** to proceed software version up.
9. Confirm the bar in the Process window reaches to 100% that means the software programming complete. (refer to figure 4)


VSI2312L Main panel (100 %)

Mode select & Check SUM

● Buffer 1 (768KB) : MOT FILE data

○ Buffer 2 (---KB) : BIN FILE data

○ Buffer 3 (768KB) : MCU data

Check SUM: 0xA7AB

Process: 0 % Now 100 % 100 %

Operating information: ● Wating to start or Completed

Time infomation: Remain time 0:00 sec; Running time 0:48 sec; Time-out 5 sec

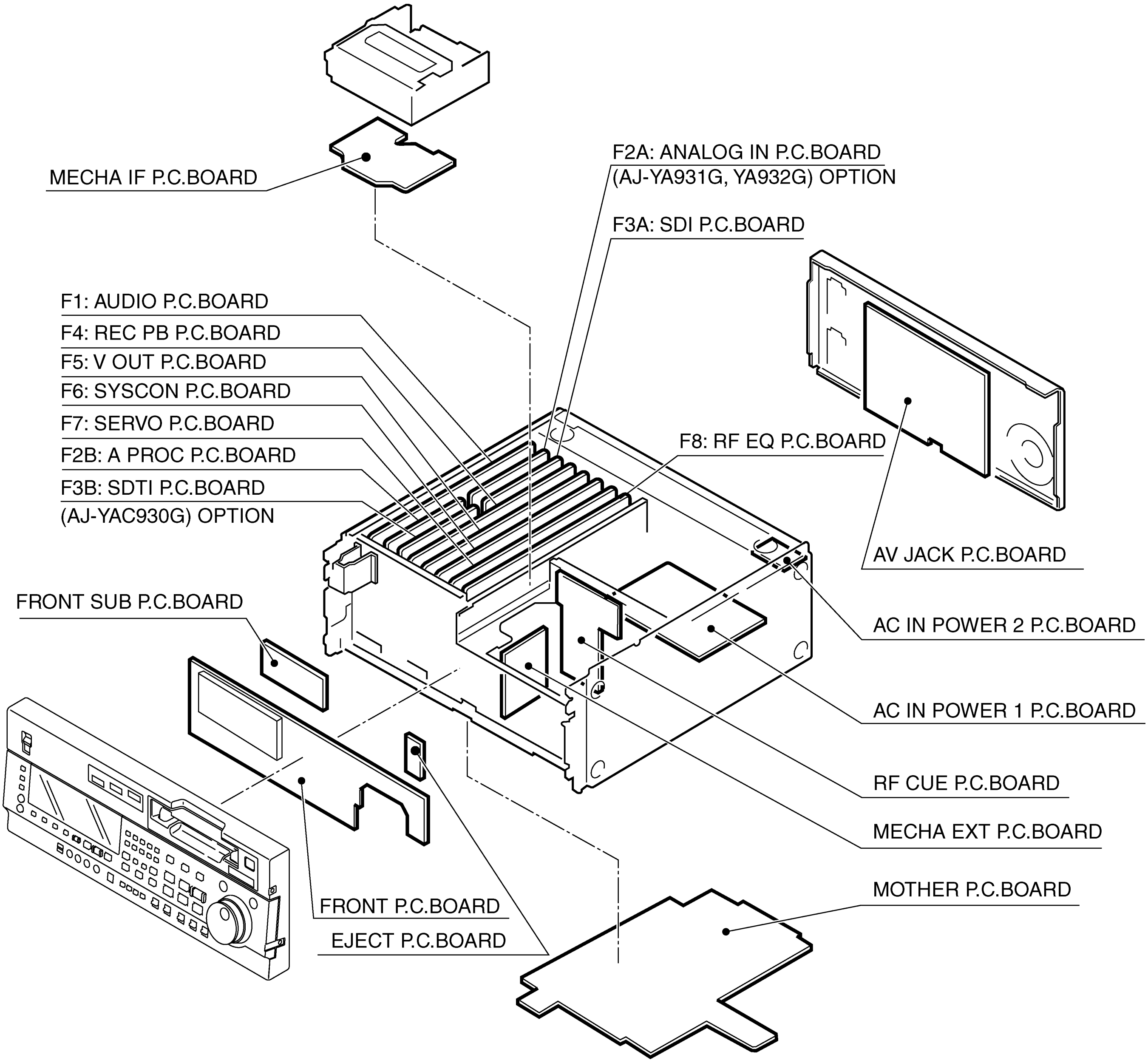
-> Save to BIN FILE
-> Save to BIN FILE
-> Save to BIN FILE
Setup
VER.
INFO.
Control
Start(W)
Blank check
All erase
1 Block Erase
Program
Verify
MCU->Buffer 3
Emergency stop
Inquiring ID of machine
File loadding
Erasing
Blank checking
Programing
Verifing
Uploadding
Upload data saving
Download data loadding
Downloadding
Soft Ver. Micon ID requestting
Communication check
Check!!
Exit

Figure 4

10. Press **"Exit"** button to end the program.
11. Turn off and on the power of VTR in order to reboot the machine.
12. Confirm that software version is updated.

* If the error occurs during above process, repeat the process from item 7).

16. CIRCUIT BOARD LAYOUT DRAWING


MECHA IF P.C.BOARD
F2A: ANALOG IN P.C.BOARD
(AJ-YA931G, YA932G) OPTION
F3A: SDI P.C.BOARD
F1: AUDIO P.C.BOARD
F4: REC PB P.C.BOARD
F5: V OUT P.C.BOARD
F6: SYSCON P.C.BOARD
F7: SERVO P.C.BOARD
F2B: A PROC P.C.BOARD
F3B: SDTI P.C.BOARD
(AJ-YAC930G) OPTION
F8: RF EQ P.C.BOARD
AV JACK P.C.BOARD
FRONT SUB P.C.BOARD
AC IN POWER 2 P.C.BOARD
AC IN POWER 1 P.C.BOARD
RF CUE P.C.BOARD
MECHA EXT P.C.BOARD
MOTHER P.C.BOARD
FRONT P.C.BOARD
EJECT P.C.BOARD

SECTION 2

DISASSEMBLY PROCEDURES

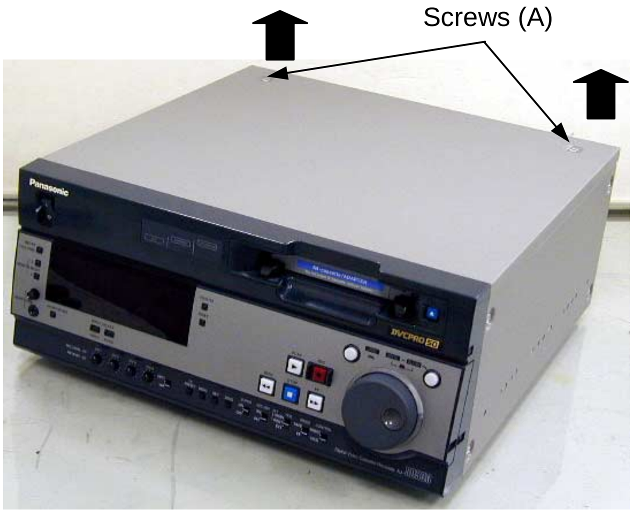
CONTENTS

1. DISASSEMBLY PROCEDURES DIS-1
    - 1-1. Removal of Top Panel DIS-1
    - 1-2. Removal of Bottom Panel DIS-1
    - 1-3. Removal of Front Panel Unit DIS-1
    - 1-4. Removal of Front Loading Unit DIS-1
    - 1-5. Removal of Mechanism Unit DIS-2
    - 1-6. Removal of Cylinder Unit DIS-3
    - 1-7. Removal of Power Supply Unit DIS-3
    - 1-8. Removal of Fan Motor DIS-4

1. DISASSEMBLE PROCEDURES

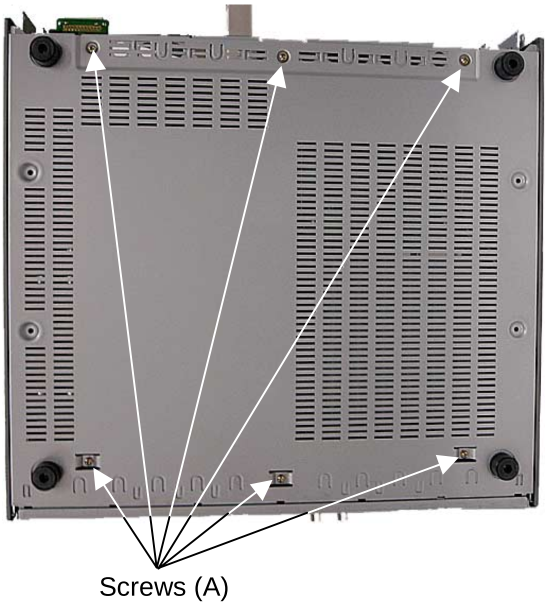
1-1. Removal of Top Panel

1. Loosen s screws (A) and remove the Top Panel.



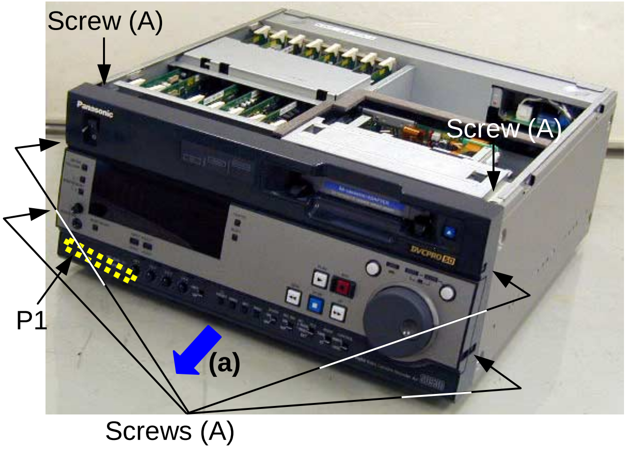
1-2. Removal of Bottom Panel

1. Unscrew the 6 screws (A) and remove the Bottom Panel.



1-3. Removal of Front Panel

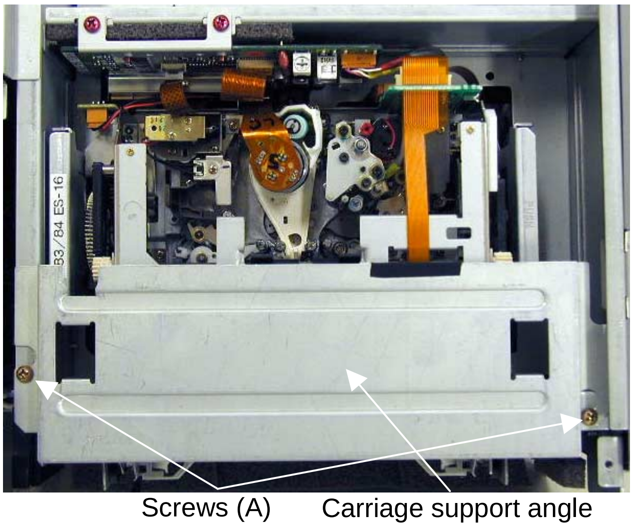
1. Unscrew the 6 screws (A) and remove the Front Panel.


Screw (A)
Screw (A)
P1
(a)
Screws (A)

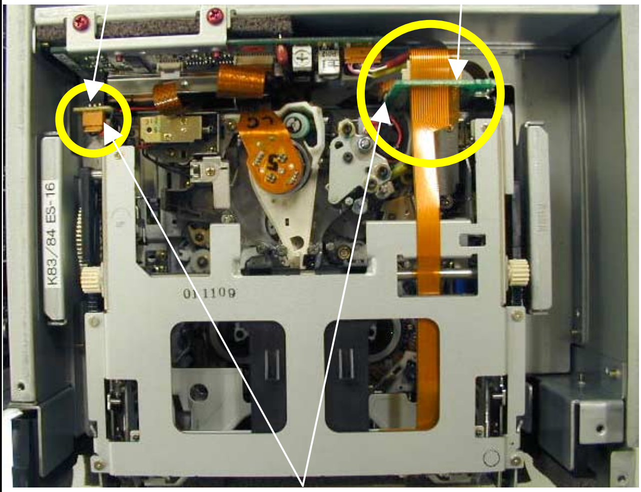
Notes:
1. When removing the Front Panel, slightly pull the Front panel for direction in arrow **(a)** (disconnect a connector P1).
2. After installation of Front Panel, confirm that the Blinder Panel is moved up and down smoothly by hand.
3. Check the connector has been connected securely.

1-4. Removal of Front Loading Unit

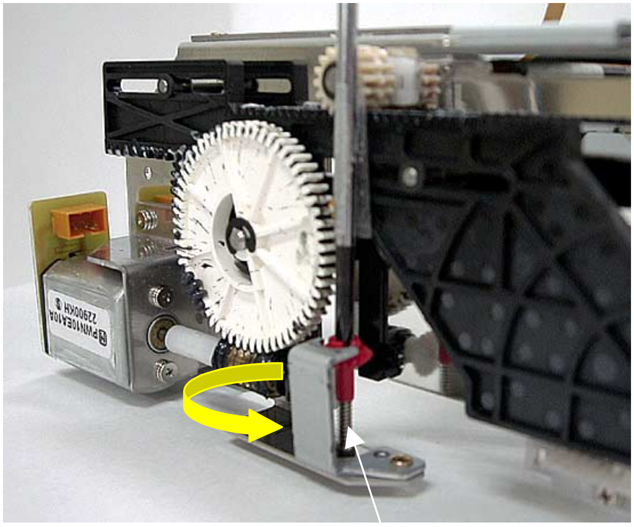
1. Loosen 2 screws (A) and remove the Carriage support angle.


Screws (A)
Carriage support angle

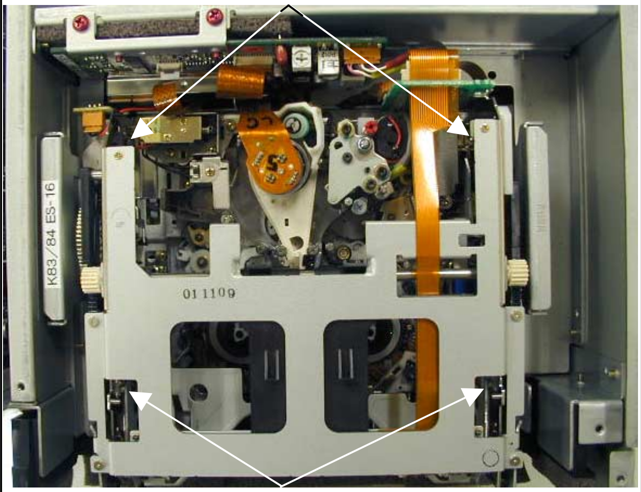
2. Disconnect 2 connectors (A) at Front Loading motor Board and the Interconnection Board.


Front Loading Motor Part
Interconnection Board
Connectors (A)

3. Push and rotate the red plastic gear in front of the Front loading motor counterclockwise until the screw (A) which is used to fix the Front Loading Unit can be seen.


Rotate the Gear

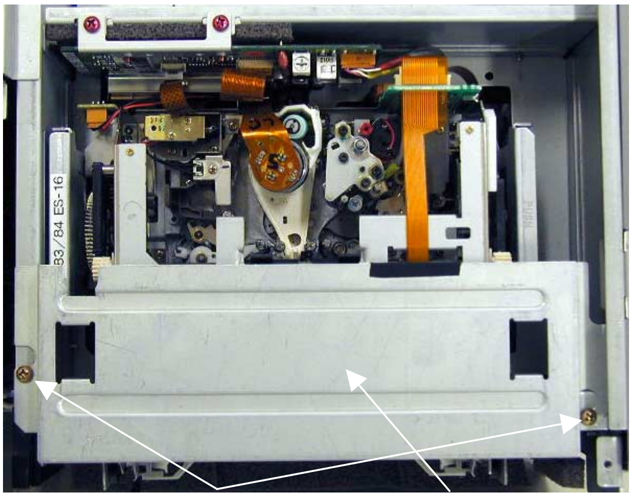
4. Unscrew the 4 screws (A) and (B), then remove the Front Loading Unit.


Screws (B)
Screws (A)

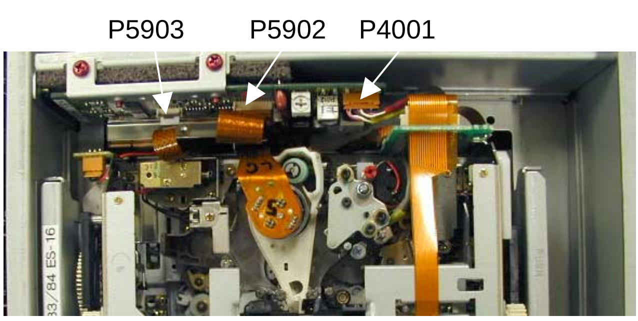
1-5. Removal of Mechanism Unit

Please refer to Major Mechanical Parts Replacement & Adjustment Procedures (SECTION 3) regarding each parts replacement procedure.

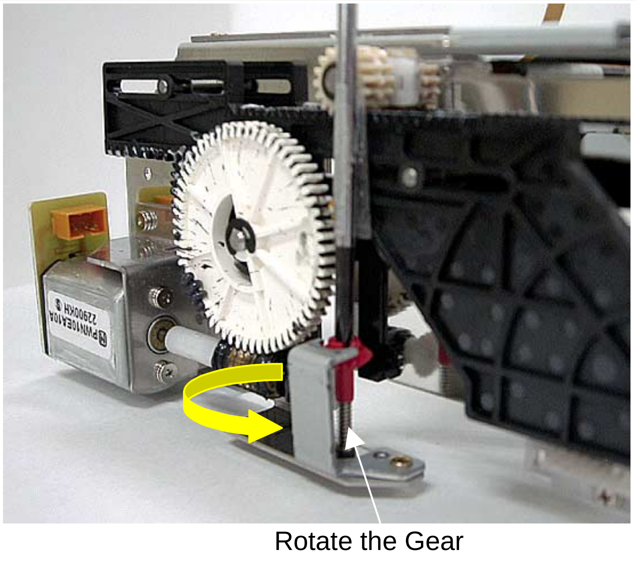
1. Loosen 2 screws (A) and remove the Carriage support angle.


Screws (A)
Carriage support angle

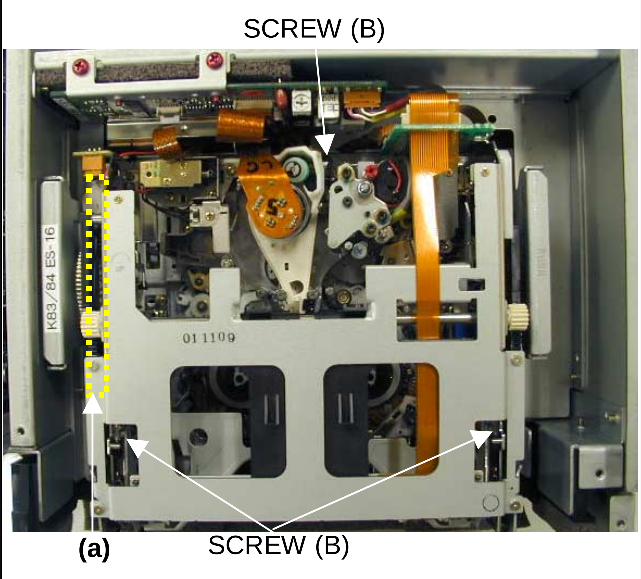
2. Disconnect 3 connectors (P4001, P5902, P5903).



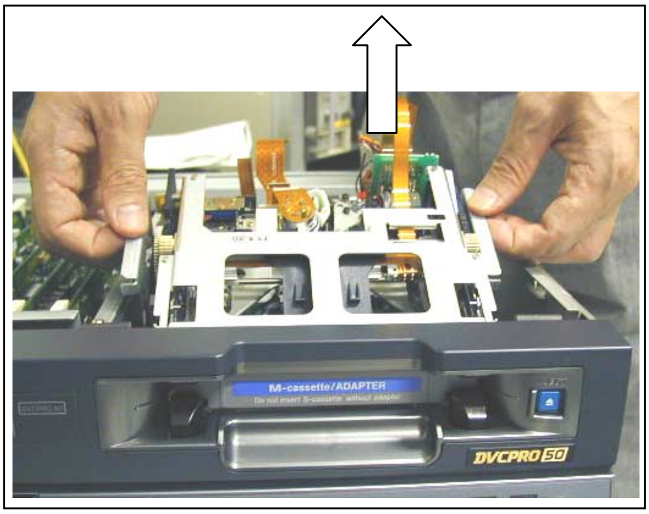
3. Push and rotate the red plastic gear in front of the Front loading motor counterclockwise until the screw (B) which is used to fix the Mechanism Unit can be seen.



4. Unscrew the 3 screws (B).
5. Disconnect the connector (a) which combines Mecha Unit with MECH IF2.



6. Remove the Mecha Unit lifting the backside of it.

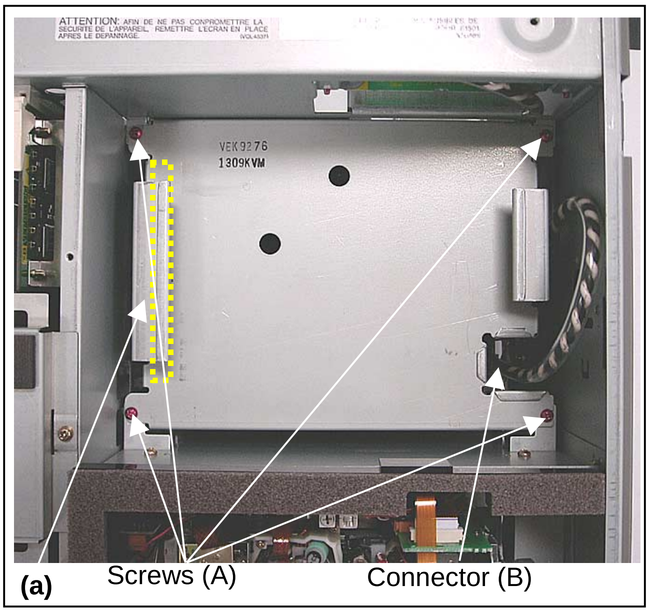


1-6. Removal of Cylinder Unit

(refer to page MECH-40).

1-7. Removal of Power Supply Unit

1. Unscrew the 4 screws (A) and lift-up the Power Supply Unit.
2. Disconnect a connector (B) and remove the Power Supply Unit.

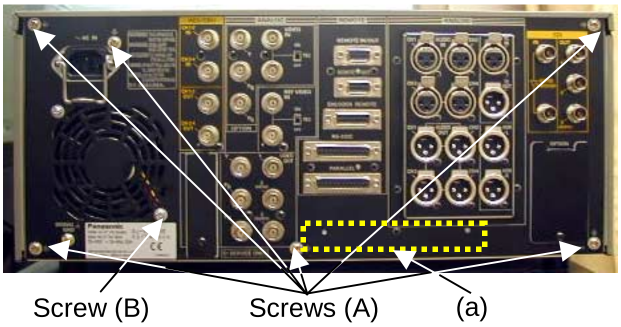


Notes:

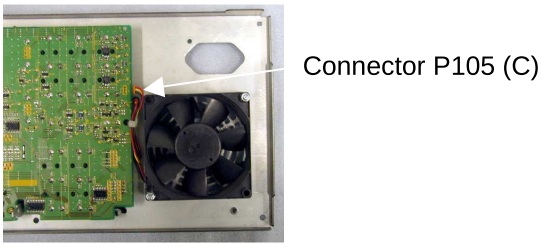
When remove the Power Supply Unit, the connector **(a)** which combines the Mother Board with Power Supply Unit is disconnected.
Check the connector has been connected securely when the Power Supply Unit is installed.

1-8. Removal of Fan Motor

1. Unscrew the 6 screws (A) and remove the Rear Jack Panel.



2. Disconnect a connector P105 (C)
3. Unscrew the screw (B) and remove the Fan Motor.



Notes:

When remove the Rear Jack Panel, the connector **(a)** which combines the Mother Board with Rear Jack Panel is disconnected.
Check the connector has been connected securely when Rear Jack Panel is installed.

SECTION 3

MECHANICAL ADJUSTMENT

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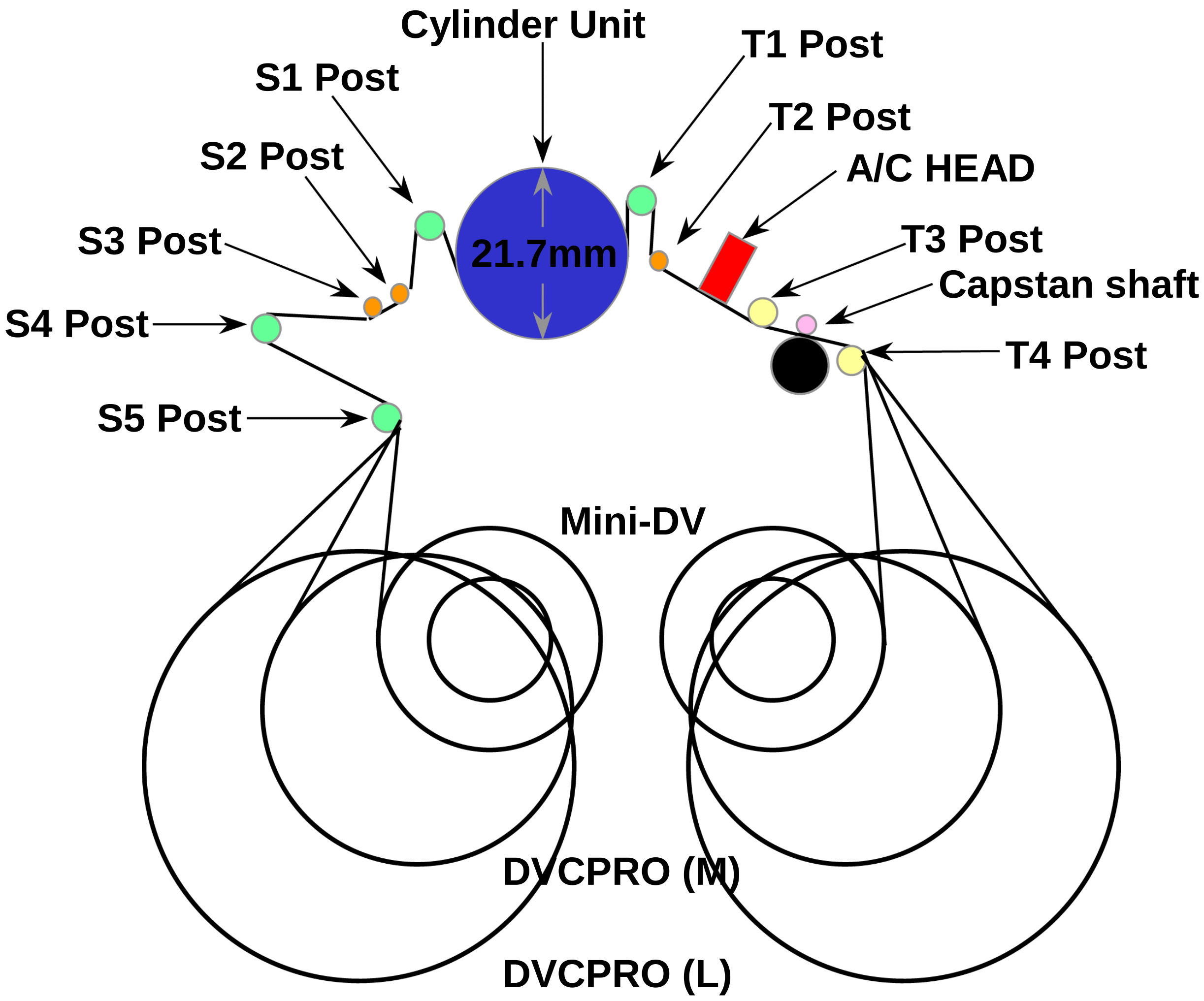
1. NAME OF TAPE TRANSPORTATION


Cylinder Unit
S1 Post
S2 Post
S3 Post
S4 Post
S5 Post
21.7mm
T1 Post
T2 Post
A/C HEAD
T3 Post
Capstan shaft
T4 Post
Mini-DV
DVCPRO (M)
DVCPRO (L)

🟢 :VFK1149 (Post Driver)

🟡 :VFK1151 (Nut Driver)

NAME	LIMIT
S1 Post	UPPER
S2 Post	FIXED
S3 Post	FIXED
S4 Post	LOWER
S5 Post	LOWER
T1 Post	UPPER
T2 Post	FIXED
T3 Post	LOWER
T4 Post	LOWER

2. TABLE OF TEST POINT

2-1. Table of Test Point, VR, Setting for Service Menu

<Table of Test Point, VR>

Name		TP & VR
[Tension Arm Adjustment]		
TENSION		SERVO (F7) : TP201
TENSION OFFSET		MECHA I/F : VR1
TENSION GAIN		MECHA I/F : VR2
[Photo Sensor Voltage Adjustment]		
T-side Output		"A07 : T PHOTO" (SERVICE MENU)
T-side Adjustment Point		MECHA I/F : VR201
S-side Output		"A08: S PHOTO" (SERVICE MENU)
S-side Adjustment Point		MECHA I/F : VR202
[Tape Path, A/C Head Adjustment]		
R/P-L-ENV		RF (F8) : TP6301 EQ0 RF
R/P-L-HSW		SERVO (F7) : TP233
CTL		SERVO (F7) : TP30
FP (FRAME PULSE)		SERVO (F7) : TP301
CUE		AUDIO (F1) : TP200
[LISTA Adjustment]		
R/P-L-ATF ERR		RF (F8) : TP6701
R/P-R-ATF ERR		RF (F8) : TP6801
PB-L-ATF ERR		RF (F8) : TP5701
TRG	R/P-L-HSW	SERVO (F7) : TP233
	R/P-R-HSW	RF (F8) : TP6802
	PB-L-HSW	SERVO (F7) : TP232

<A/C Head Adjustment Mode>

Adjustment Name	Adjustment mode (SERVICE MENU)	
Azimuth, X Value Adj.	A15: RPL LIN 25	A13: RPL LIN 50
X Value compensation	A11: X VALUE 25	A10: X VALUE 50

<LISTA Adjustment Mode>

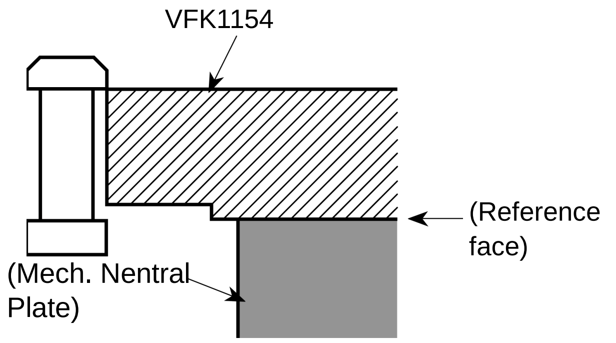
Adjustment Name	Adjustment Mode		
	SERVICE MENU		TPG
Sensitivity ADJ R/P	A14: RPL GAIN 25	A12: RPL GAIN 50	R/P-L-HSW
Linearity ADJ	A15: RPL LIN 25	A13: RPL LIN 50	
Sensitivity ADJ PB	A17: PBL GAIN 25	A16: PBL GAIN 50	PB-L-HSW
Sensitivity ADJ DV	A18: RPR GAIN DV		R/P-R-HSW

3. MECHANICAL ADJUSTMENT PROCEDURES

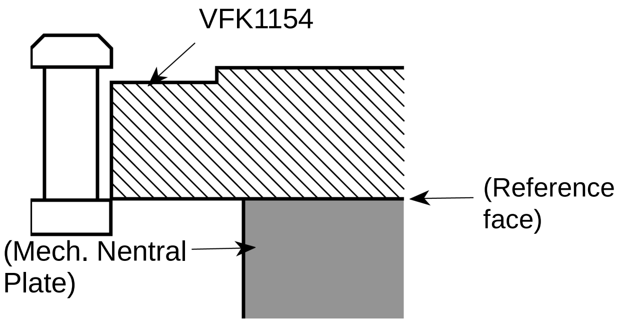
3-1. Post Height Pre-adjustment

MODE	EJECT (POWER OFF)
TOOL	VFK1149 or VFK1149A (Post Driver) VFK1151 (2.5mm Nut Driver) VFK1154 (Post Height Fixture) VFK1153 or VFK1586 (Mech. Neutral Plate)

1. Set the VTR to Loading condition (refer to NO TAPE LOADING METHOD in MECH-39)
2. Confirm that the Reel Table is located at M-Cassette position.
3. Install the Mech. Neutral Plate and adjust each post height to lower limit as following figure.
4. Please refer to following table about Post Driver to be used to adjust each post.


VFK1154
(Reference face)
(Mech. Nentral Plate)

(a) Upper Limit


VFK1154
(Reference face)
(Mech. Nentral Plate)

(b) Lower Limit

Figure 3-1-1

Post	**Post Driver**
S4 & S5 Post	VFK1149 or VFK1149A
T3 & T4 Post	VFK1151

Post	**Limit**
S4 & S5 Post	Lower Limit + 0.2 ± 0.05mm (Turn 1 round more counterclockwise from lower limit position.)
T3 & T4 Post	Lower Limit

3-2. Tension Arm Adjustment Flowchart

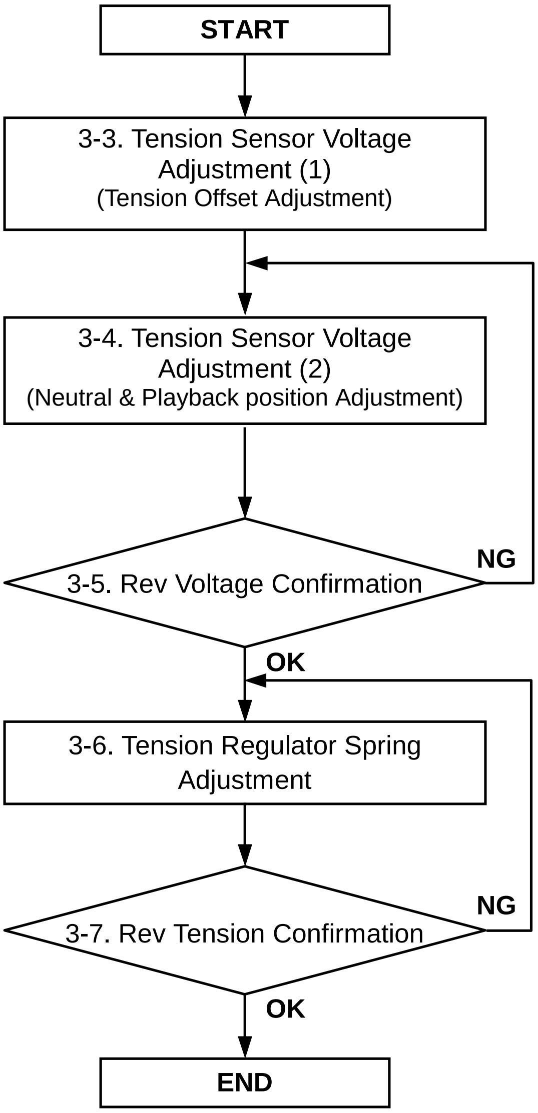

START
3-3. Tension Sensor Voltage Adjustment (1)
(Tension Offset Adjustment)
3-4. Tension Sensor Voltage Adjustment (2)
(Neutral & Playback position Adjustment)
3-5. Rev Voltage Confirmation
NG
OK
3-6. Tension Regulator Spring Adjustment
3-7. Rev Tension Confirmation
NG
OK
END

Figure 3-2-1

3-3. Tension Sensor Voltage Adjustment (1)

SPEC.	2.5V ± 0.05V
TEST POINT	TP201 (SERVO : F7)
ADJ.	VR1 (OFFSET) on the Mech. I/F board
MODE	EJECT
TOOL	Digital voltmeter

1. Connect the Digital voltmeter to TP201.
2. Adjust the VR1 on the Mech. I/F board so that the DC voltage is in the specification.

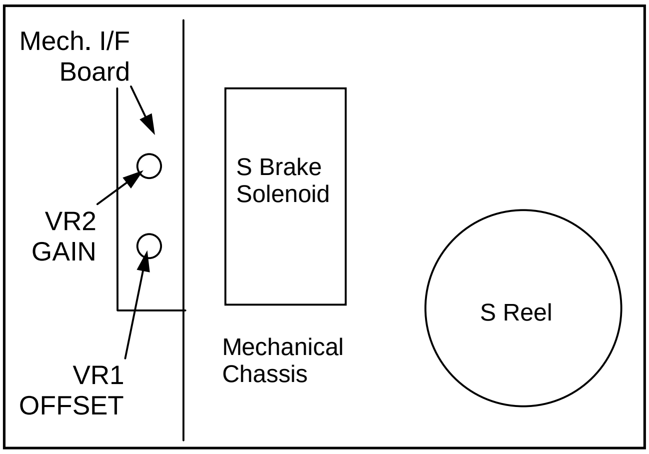

Mech. I/F Board
VR2 GAIN
VR1 OFFSET
S Brake Solenoid
S Reel
Mechanical Chassis

Figure 3-3-1

3-4. Tension Sensor Voltage Adjustment (2)

SPEC.	Neutral position : 2.5V ± 0.1V PLAY position : 3.8V ± 0.05V
TEST POINT	TP201 (SERVO : F7)
ADJ.	Sensor Position, VR2 (GAIN)
MODE	EJECT
TOOL	Digital voltmeter, VFK1208 (Neutral Position Tool, Black with hole) VFK1156 (PLAY Position Tool, Black)

NOTE:
Do not use magnetized tweezers and screwdriver.
Do not touch the magnetize screwdriver to S-Reel FG magnet portion, while adjusting the lever (D) portion.

<Preparation>

1. Loosen the 2 screws and remove the Carriage Support Panel on the Front Loading Unit.
2. Disconnect the connector P3 on the Carriage Board of the Front Loading Unit.
3. Unscrew the 6 screws and remove the Top Plate on the Front Loading Unit as shown in figure 3-4-1.
4. Connect the Flexible cable to P3 on the Carriage Board of Front Loading Unit.

<Adjustment Procedure>

1. Open the SERVICE MENU.
2. Select the **A00: SERVO ADJUST** and press the “SET” button to open the SERVO ADJUST MENU.
3. Select the **A09 TENSION**.
4. Install the VFK1208 (black with hole) as shown in figure.
5. Connect the Digital voltmeter to TP201.
6. Rotate JOG dial clockwise pushing Search button so that the mechanism shift to Loading mode. (“on” mark is displayed on **A09 : TENSION**)
7. Confirm the DC voltage at TP201 is 2.5V ± 0.1V (Neutral position). If it is not, adjust the sensor position as follows.
   Loosen the screw (A) and move the lever (D) with tweezers. After adjusting, rotate JOG dial counter clockwise pushing Search button to set the unloading position.
8. Remove the VFK1208 (black with hole), and install the VFK1156 (Black) as same way as VFK1208.
9. Rotate JOG dial clockwise pushing Search buttom so that the mechanism shift to Loading mode. (“on” mark is displayed on **A09 : TENSION**)
10. Adjust the VR2 (GAIN) on the Mech. I/F board so that the DC voltage at TP201 is 3.8V ± 0.05V (PLAY position).

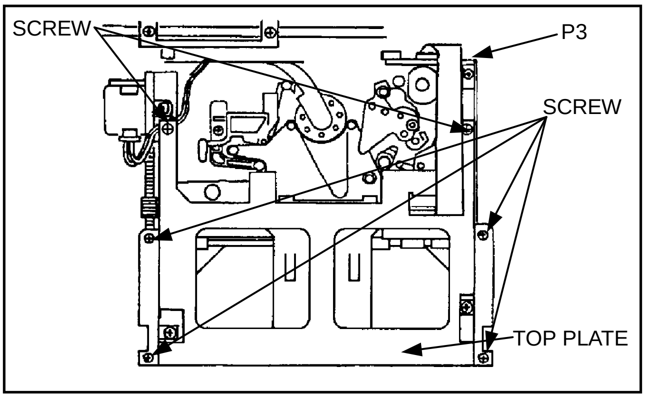

SCREW
P3
SCREW
TOP PLATE

Figure 3-4-1

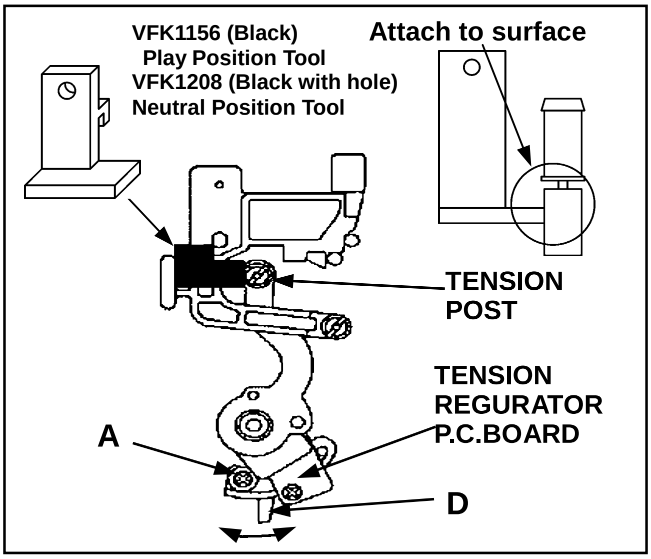

VFK1156 (Black)
Play Position Tool
VFK1208 (Black with hole)
Neutral Position Tool
Attach to surface
TENSION POST
TENSION REGURATOR P.C.BOARD
A
D

Figure 3-4-2

3-5. Tension Arm PLAY and REV Voltage Confirmation

SPEC	PLAY : 3.8 V ± 0.05 V REV : 1.2 V ± 0.3 V
TEST POINT	TP201 (SERVO : F7)
ADJ.	-----
MODE	PLAY, SHTL (REV)
TOOL	Digital Volt Meter

1. Insert the cassette tape (any cassette except thin type of tape) and confirm that the voltage of TP201 in each mode is in SPEC.
2. If it is out of SPEC even though item 3-3) – 3-4) is in SPEC.
   Servo P.C.B. or Mecha I/F P.C.B. might be faulty.

3-6. Tension Regulator Spring Adjustment

SPEC	110 ± 10 mN-m (11 ± 1gf)
TEST POINT	TP201 (SERVO : F7)
ADJ.	Tension Regulator Spring hook (B)
MODE	STOP
TOOL	VFK1188A (Dial Tension Gauge) Digital Volt Meter

<Preparation>

1. Loosen the 2 screws and remove the Carriage Support Panel on the Front Loading Unit.
2. Disconnect the connector P3 on the Carriage Board of the Front Loading Unit.
3. Unscrew the 6 screws and remove the Top Plate on the Front Loading Unit as shown in figure 3-4-1.
4. Connect the Flexible cable to P3 on the Carriage Board of Front Loading Unit.

<Adjustment Procedure>

1. Open the SERVICE MENU and Select the A00 : SERVO ADJUST and press the “SET” button to open the SERVO ADJUST MENU.
2. Select the A09 TENSION.
3. Rotate JOG dial clockwise pushing Search button so that the mechanism shift to Loading mode. (“on” mark is displayed on A09 : TENSION)
4. Push the tension post to the direction R by the tension gauge as shown in Figure 3-6-1 until the voltage at the test point becomes 3.8V (It means PLAY position). And then confirm the indication (tension) of gauge is in SPEC.
5. If it is out of SPEC, loosen the screw (C) and adjust the position of hook (B) so that the indication (tension) of gauge is within the specification.
   Then tighten the screw (C) and reconfirm tension is within the specification.

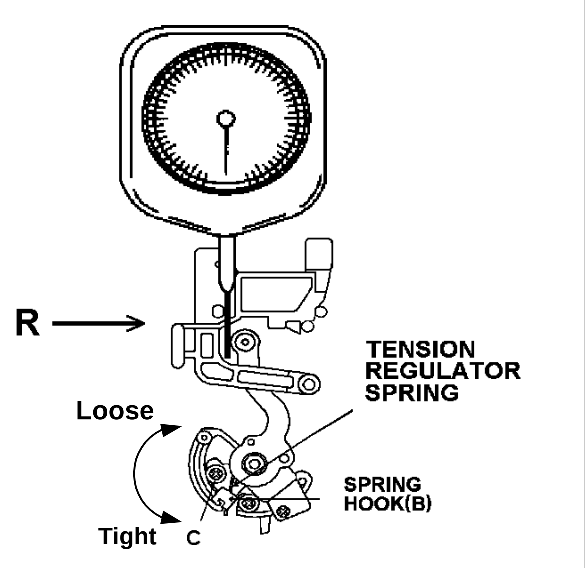


Figure 3-6-1

3-7. REV Tension Confirmation

SPEC	180mN ± 20mN (18gf ± 2gf)
TEST POINT	TP201 (SERVO : F7)
MODE	STOP
TOOL	VFK1188A (Dial Tension Gauge) Digital Volt Meter

<Preparation>

1. Loosen the 2 screws and remove the Carriage Support Panel on the Front Loading Unit.
2. Disconnect the connector P3 on the Carriage Board of the Front Loading Unit.
3. Unscrew the 6 screws and remove the Top Plate on the Front Loading Unit as shown in figure 3-4-1.
4. Connect the Flexible cable to P3 on the Carriage Board of Front Loading Unit.

<Confirmation Procedure>

1. Open the SERVICE MENU and Select the A00 : SERVO ADJUST and press the “SET” button to open the SERVO ADJUST MENU.
2. Select the A09 TENSION.
3. Rotate JOG dial clockwise pushing Search button so that the mechanism shift to Loading mode. (“on” mark is displayed on A09 : TENSION)
4. Push the tension post to the direction R by the tension gauge as shown in Figure 3-7-1 until the voltage at the test point becomes 1.2V (It means REV position).
5. Confirm that the indication (tension) of gauge is within the specification. If not, perform the Tension Spring Adjustment again.
6. After finishing this adjustment, glue the screw (A), (B) and (C). The glue quantity at (B) is half of (A) and (C).

   Glue the screw (A) and (C) should be as big as a grain of rice. For the screw (B), it showld be half of that.

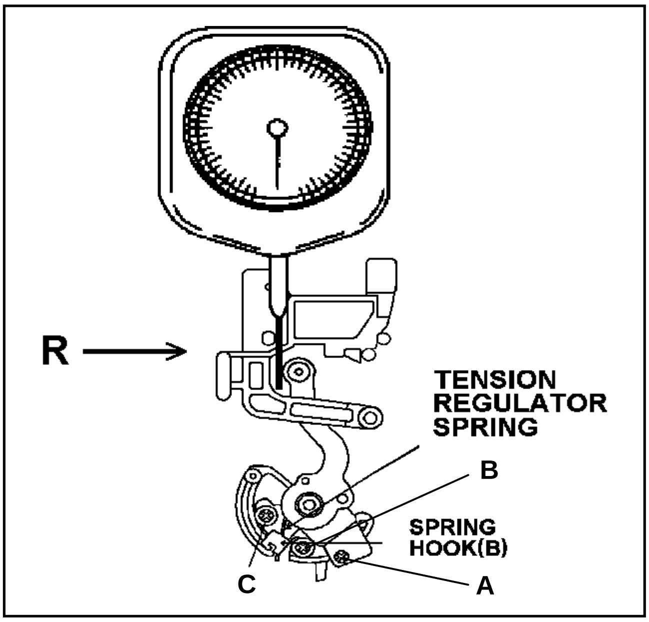


Figure 3-7-1

3-8. Tension Confirmation

SPEC	PLAY : 0.06N ± 0.01N (6gf ± 1gf) REV : 0.09N ± 0.02N (9gf ± 2gf)
MODE	PLAY, REV ×1
TAPE	63 min M size blank tape
TOOL	VFK1145A (Tension Meter)

- ♦ Please calibrate Tension Meter before tension measurement by the following procedure.

<Calibration of Tension Meter>

1. Attach the 7 grams calibration plumb to DVCPRO tape. (It's tape and plumb are included in VFK1145.)
2. Set the above tape to the Tension Meter as shown in figure 3-8-1.
3. Pull up the tape by the speed of 33mm/sec and adjust the Tension Meter so that the meter shows 7 grams (0.07N).

- ♦ To calibrate Tension Meter, the tape must be inserted into the posts of Tension Meter as shown in figure 3-8-1.

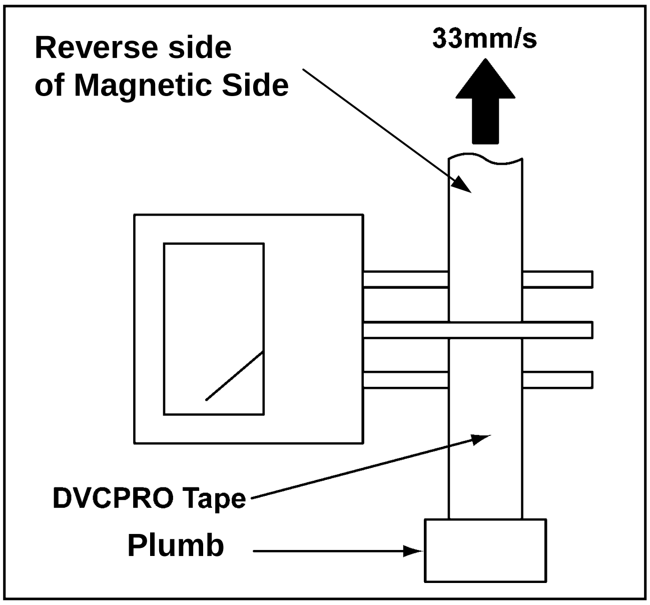


Figure 3-8-1

1. Play back the beginning portion of the tape.
2. Insert the tension meter between S3 post and S4 post as shown in figure 3-8-2.
3. Confirm that the tension value is within the specification.

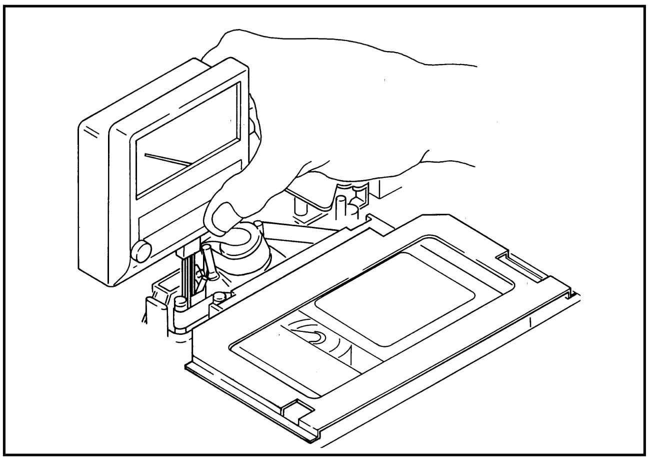


Figure 3-8-2

4. Place the unit in REV x1 mode.
5. Insert the tension meter between S4 post and S5 post as shown in figure 3-8-3. (Direction is reverse)
6. Confirm that the tension value is within the specification. (Read the meter from rear side as shown in figure 3-8-3.)
7. If it is out of specification, please perform the Tension Arm Adjustment.

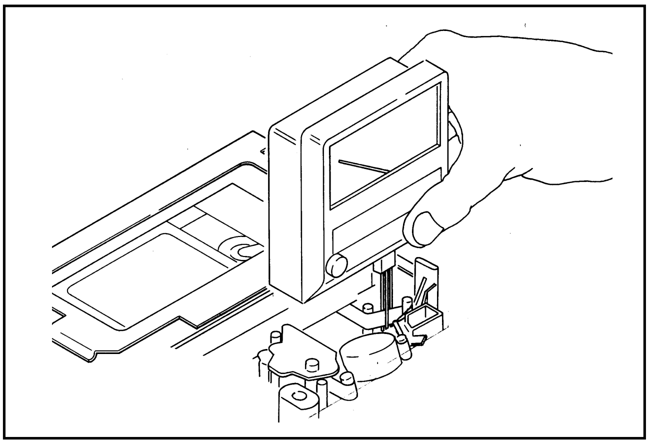


Figure 3-8-3

NOTE :
Pay attention not to give some tape damage.

3-9. Photo Sensor Voltage Adjustment

SPEC	2.2 ± 0.6 (V DC)
TEST POINT	<SERVICE-MENU : SERVO> The voltage is displayed on the Service menu. A07 : T PHOTO A08 : S PHOTO
ADJ.	T PHOTO VR201 (MECHA I/F) S PHOTO VR202 (MECHA I/F)
MODE	STOP
TAPE	VFK1423 (Tape Beg./End M Cassette)
M. EQ	Oscilloscope

<Classified list of specification>

1. Open the “Service Menu: Servo” and move the cursol (*) to “A07: T PHOTO”.
2. Insert the VFK1423 and check the voltage which is shown on the menu.
3. Adjust VR201 to meet the specification of T side photo Sensor Voltage.
4. Move the cursol (*) to “A08: S PHOTO” and check the voltage which is shown on the menu.
5. Adjust VR202 to meet the specification of S side photo Sensor Voltage.

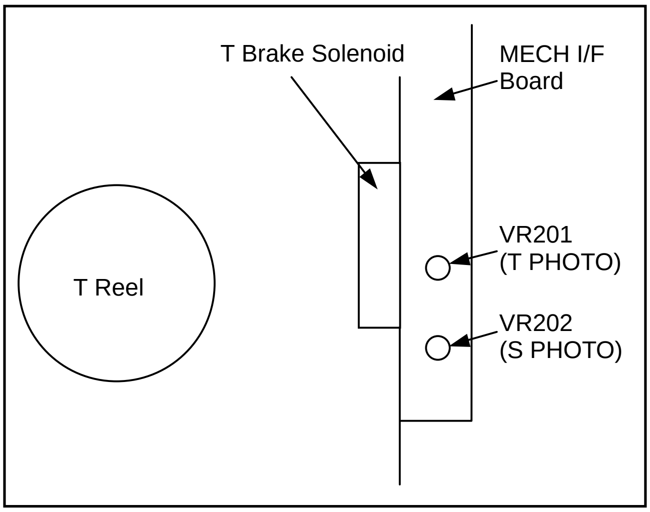
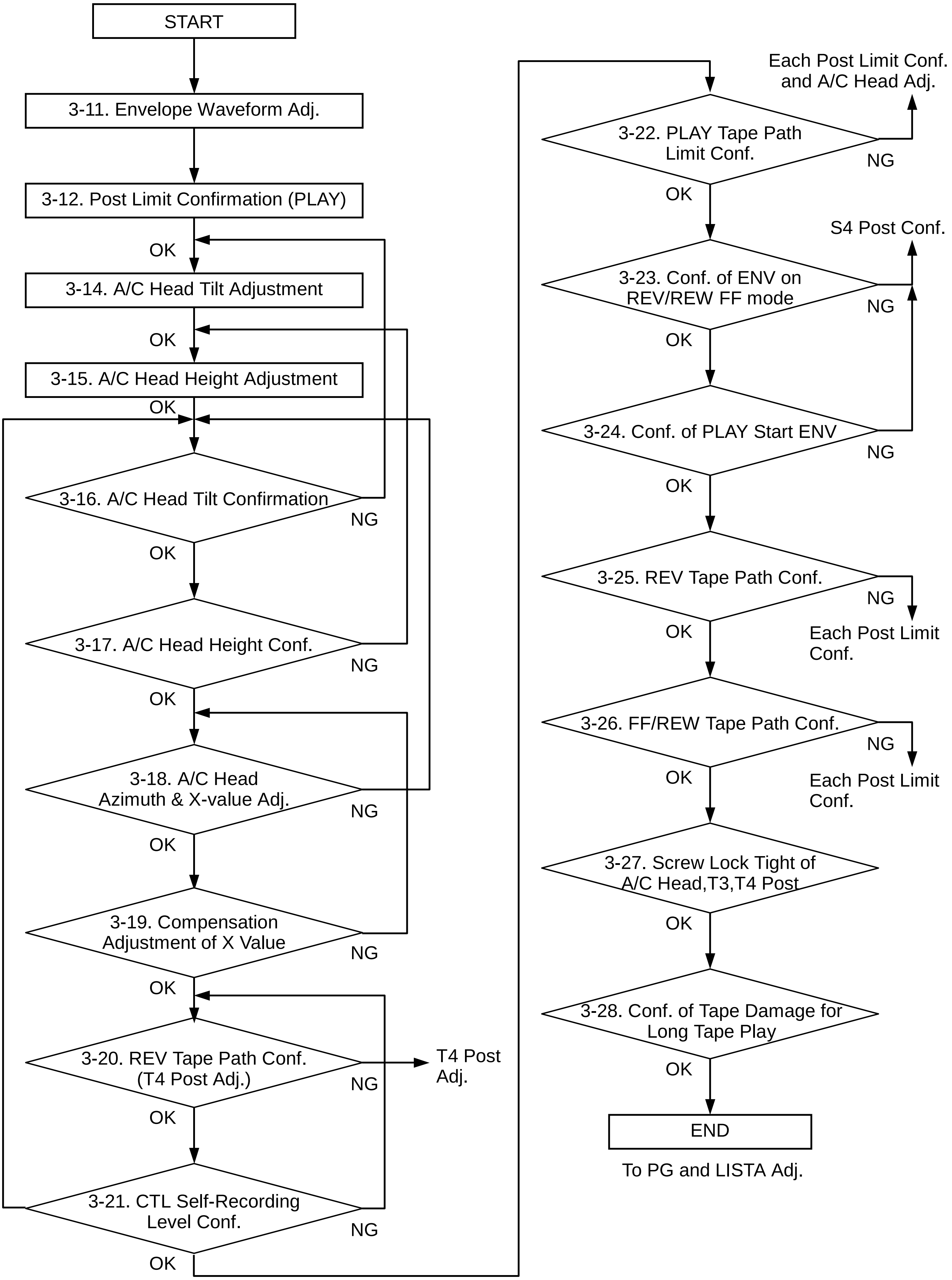


Figure 3-9-1

3-10.Tape Path Adjustment Procedure


START
3-11. Envelope Waveform Adj.
3-12. Post Limit Confirmation (PLAY)
OK
3-14. A/C Head Tilt Adjustment
OK
3-15. A/C Head Height Adjustment
OK
3-16. A/C Head Tilt Confirmation
NG
OK
3-17. A/C Head Height Conf.
NG
OK
3-18. A/C Head Azimuth & X-value Adj.
NG
OK
3-19. Compensation Adjustment of X Value
NG
OK
3-20. REV Tape Path Conf. (T4 Post Adj.)
NG
T4 Post Adj.
OK
3-21. CTL Self-Recording Level Conf.
NG
OK
Each Post Limit Conf. and A/C Head Adj.
3-22. PLAY Tape Path Limit Conf.
NG
OK
S4 Post Conf.
3-23. Conf. of ENV on REV/REW FF mode
NG
OK
3-24. Conf. of PLAY Start ENV
NG
OK
3-25. REV Tape Path Conf.
NG
Each Post Limit Conf.
OK
3-26. FF/REW Tape Path Conf.
NG
Each Post Limit Conf.
OK
3-27. Screw Lock Tight of A/C Head,T3,T4 Post
OK
3-28. Conf. of Tape Damage for Long Tape Play
OK
END

To PG and LISTA Adj.

3-11. Envelope Waveform Adjustment

SPEC	V1/Vmax, V2/Vmax, V3/Vmax ≥ 0.8
TEST POINT	TP6301 (RF : F8)
ADJ.	S1, T1 Post Height
MODE	PLAY (ATF)
TAPE	**NTSC** : VFM3580KM or VFM3580KL **(PAL** : VFM3680KM or VFM3680KL**)**
M.EQ	Oscilloscope
TOOL	VFK1149 or VFK1149A (Post Driver)

<Adjustment Procedure>

1. Playback the alignment tape with DVCPRO25 mode.
2. Adjust S1 and T1 post height so that the envelope signal is within the specification.
3. To adjust the S1 or T1 posts, at first raise the post height. Then the envelope at the entrance or exit side becomes small. Then down the post hight until envelope becomes flat.
4. As the order of adjustment, adjust T1 post to make it flat at exit side of envelope first and then adjust S1 post.
5. After finishing this adjustment, unload the tape and load the tape again, then confirm the shape of Envelope waveform does not change.

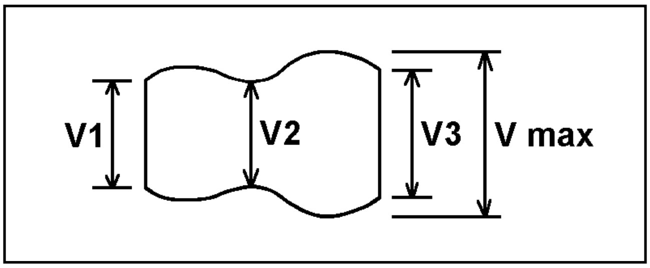


Figure 3-11-1

3-12. Post Limit Confirmation (PLAY)

SPEC	Post limit is shown in the following table. Curl should not appear on tape edge
MODE	PLAY
TAPE	Blank tape
TOOL	VFK1149 or VFK1149A (Post Driver) VFK1151 (Nut Driver)

1. Confirm that the tape path limit meets the specification in the following table. If not, adjust it.
2. Confirm that the tape path is not the condition of D, E and F as shown in figure 3-12-1.

Post	Limit	Adjustment Method
S5	Lower limit or Free	Refer to Post Height Pre-Adj.
S4	Lower Limit	
S1	Upper Limit	Envelope waveform Adj.
T1	Upper Limit	
T3	Lower Limit	Post Height Pre-Adj.
T4	Upper, Free or Lower limit	

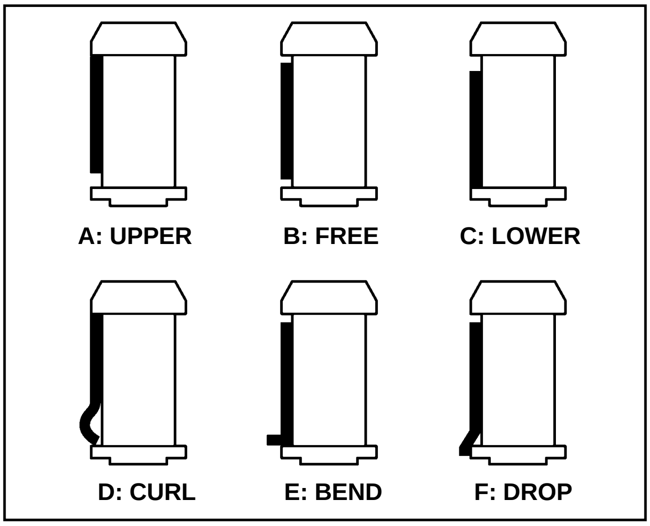


Figure 3-12-1

3-13. A/C Head Adjustment Method (General)

Adjustment item	SCREW	Adjustment Method	Torque
Tilt adjustment	A	①. Adjust screw A after loosening screw G. Tightened direction : Decrease Cue level Loosened direction : Increase Cue level ②. Tighten screw G after finishing the adjustment of screw A. (refer to following item "Azimuth adjustment & fix")	None
Azimuth adjustment	F	①. Phase is adjusted by screw F after loosening screw G ②. Tighten screw G after finishing the adjustment of screw F. (refer to below item "Azimuth & Tilt")	None
Fixing Azimuth & Tilt	G	Screw (G) must be always tightened during the adjustment except Tilt and Azimuth Adjustment.	10cN·m (1Kgf·cm)
Height adjustment	B	Tightened direction : In case CTL level increase when A/C Head Press down. Loosened direction : In case CTL level increase when A/C Head lift up **NOTE : Please refer to figure 3-13-4 for the portion to lift up and press down A/C Head.**	None
Fixing height	H	After height adjustment, tighten the screw (H) to fix height of A/C Head. Normally the CUE level is decreased when the screw (H) is tightened. Adjust screw (B) considering it.	19.6cN·m (2.0Kgf·cm)
X-value adjustment	C, D	①. Adjust X-value at Hole (E) by VFK0357, then tighten the screw (C) and (D) to fix A/C Head horizontal position. ②. Hit gently at the portion of A/C Head Top Plate as shown in figure 3-13-5 to confirm the phase shift.	24.6cN·m (2.5Kgf·cm)

SCREW	Tool for adjustment
A	VFK1178 (0.89mm Hex Driver)
B	VFK1150 (5.5mm Nut Driver)
F	VFK1148 (1.5mm Hex Driver)
C, D, G	VFK1209A (Torque Driver), VFK1148 (1.5mm Hex Driver) VFK0912 or 1375 (1.5mm Post Axis Driver)
H	VFK1190 (1.5mm L type of Hex Wrench)

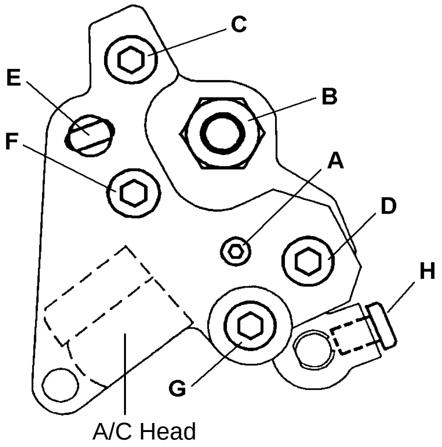


Figure 3-13-1

1. For Tilt and Azimuth adjustment, loosen the screw (G) first and tighten the screw (G) after finish adjustment. And if need to turn the screw (A) and (F) too much for adjustment, tighten screw (A), (F) and (G) alternately.

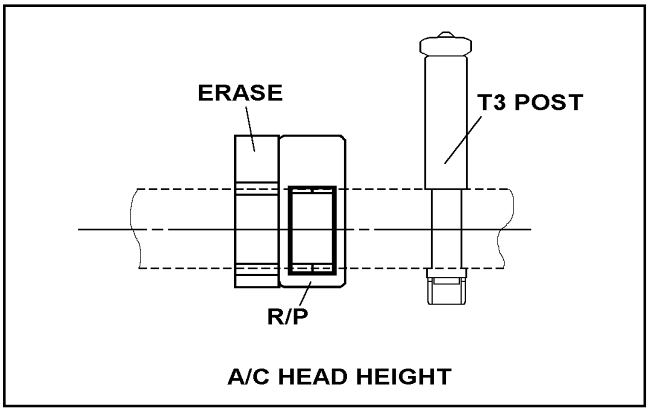

ERASE
T3 POST
R/P
A/C HEAD HEIGHT

Figure 3-13-2

2. Perform the Height and X-value adjustment under the screw (G) tightened completely.
3. Be careful the tape damage at T3 Post, when adjust tilt of A/C Head. (refer to figure 3-13-2)

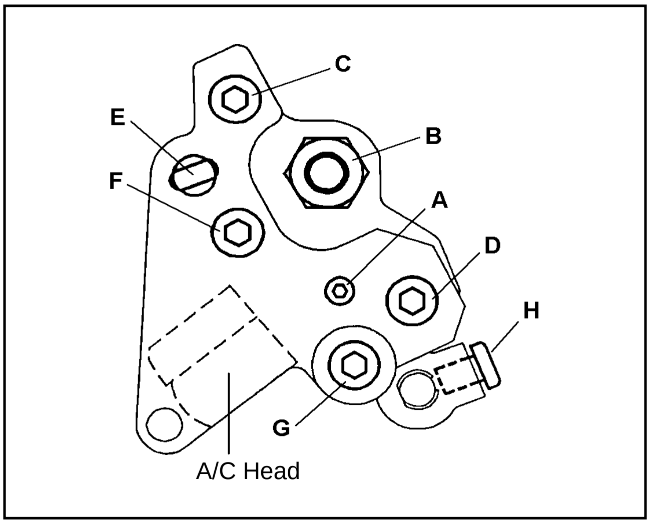

C
E
B
F
A
D
H
G
A/C Head

Figure 3-13-3

4. Confirm the screw (A) isn't loose, before perform A/C Head Tilt adjustment. The screw (A) should be always touch to top of A/C Head.
5. When the height of A/C Head is adjusted by the Nut (B), the screw (H) should be loosen first. And after height adjustment finished, tighten the screw (H) lightly.

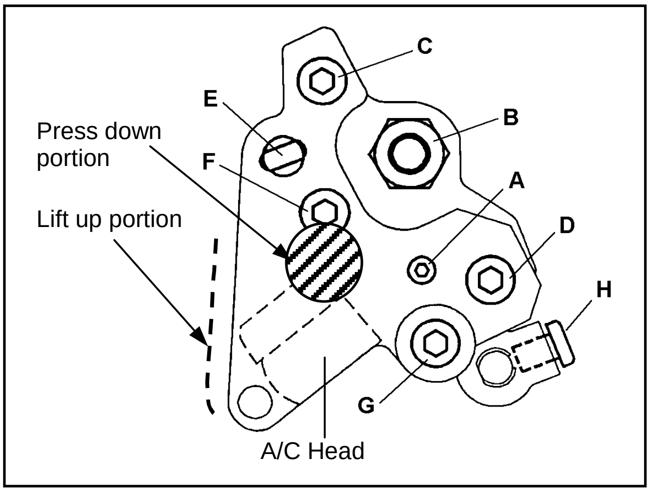

C
E
B
Press down portion
F
A
Lift up portion
D
H
G
A/C Head

Figure 3-13-4

6. After finish X value adjustment, hit the portion (L) lightly and confirm the specification of X-value.
7. Each adjustment of A/C Head should be finished at the condition of tightening the each adjustment screw. And hit the portion (L) lightly to release the distortion of A/C Head plate.

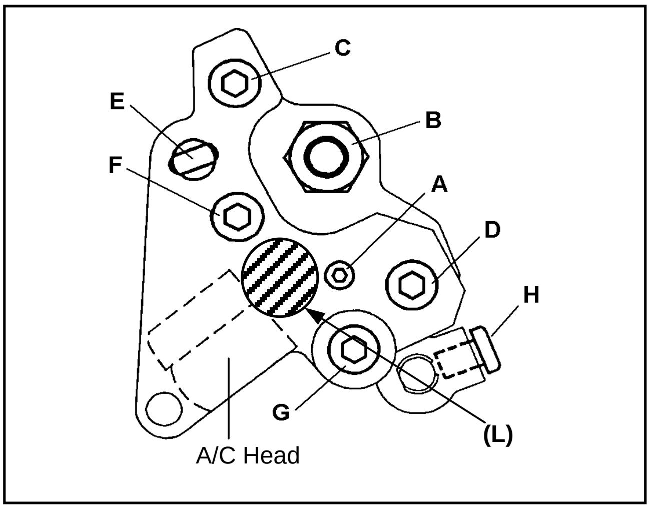

C
E
B
F
A
D
H
G
(L)
A/C Head

Figure 3-13-5

3-14. A/C Head Tilt Adjustment

SPEC	Curl should not appear on tape edge. Lower limit at T3 post
ADJ.	SCREW A, G (A/C Head)
MODE	PLAY
TAPE	Blank tape
TOOL	VFK1148, VFK1178 (Hex Driver)

1. Play back the tape and adjust the screw (A) for adjustment of A/C Head tilt so that the tape path meets the above specification.
2. For adjustment, loosen the screw (G) and make curl on tape at lower flange of T3 post by loosening screw (A). And tighten the screw (A) to raise the tape and fix it at the point where the curl just disappear.
3. Tighten the Screw (G) with 10cN·m (1kgf·cm) torque after finishing the adjustment for Screw (A).

NOTE :

1. **In case of turning the screw (A) clockwise.**
   → Tape goes up at T3 post.
   In case of turning the screw (A) counter-clockwise.
   → Tape goes down at T3 post.
2. **The screw (A) adjustment should be finished in tightening direction. And confirm that the screw (A) isn't loose.**
3. **The Adjustment of Tilt, Azimuth and Height influence each other. Hence those adjustment should be performed alternately.**

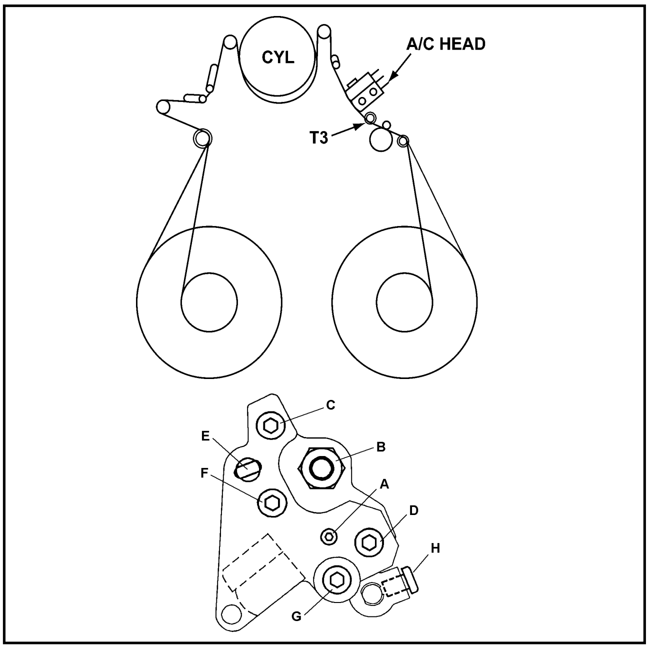


Figure 3-14-1

3-15. A/C Head Height Adjustment

SPEC	CUE : A=A max CTL : C1, C2 ≥ 1.8V
TEST POINT	CUE AUDIO : TP200 (F1 : AUDIO)
	CTL : TP30 (F7 : SERVO)
ADJ.	SCREW B, H (A/C Head)
MODE	25M mode PLAY
TAPE	**NTSC :** VFM3580KM or VFM3580KL (14 to 22min) **PAL :** VFM3680KM or VFM3680KL (14 to 22min)
TOOL	VFK1150 (Nut Driver) VFK1190 (Hex Wrench)

1. Press and Lift up A/C Head lightly (refer to figure 3-13-4), then confirm that the CTL and CUE output level is within the specification.
2. If it is out of spec., loosen the screw H and adjust the screw B until Cue output is maximized.
3. Confirmation of the level has to be done after the screw (H) is tighten completely. (refer to A/C Head Adjustment Method)
4. A/C head height adjustment should be done with Azimuth and X Value adjustment alternately.

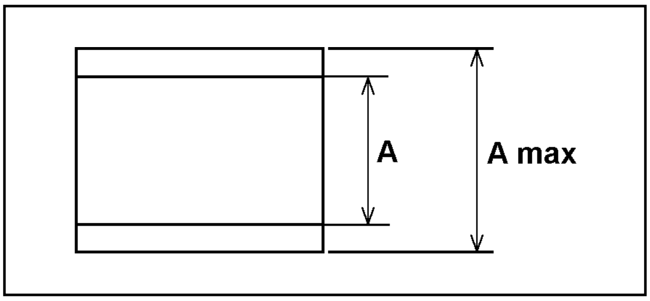


Figure 3-15-1

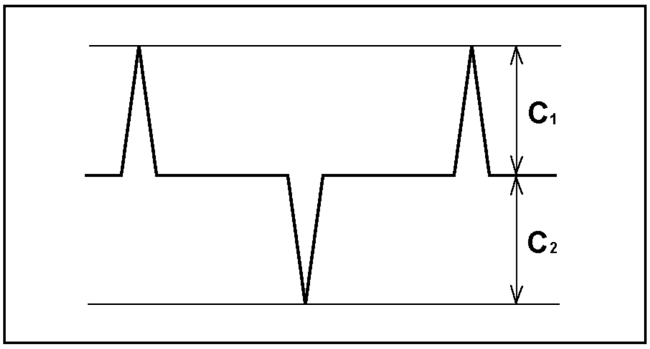


Figure 3-15-2

3-16. A/C Head Tilt Confirmation

SPEC	A/Amax ≥ 0.8
TEST POINT	CUE AUDIO : TP200 (F1 : AUDIO)
ADJ.	SCREW A, G (A/C Head)
MODE	PLAY
TAPE	**NTSC :** VFM3580KM or VFM3580KL (14 to 22min) [**PAL :** VFM3680KM or VFM3680KL (14 to 22min)]
TOOL	VFK1178, VFK1148 (Hex Driver)

1. Playback the Alignment tape.
2. Confirm that the screw (G) and (H) are not loose.
3. Push the tension post to the arrow (B) direction as shown in following figure without moving T2 post. And confirm that the CUE output level is within the specification.
4. If it is out of specification, loosen the screw (G) and adjust the screw (A) (refer to item "3-14 A/C Head tilt Adjustment".)
5. If the adjustment is performed, confirm the tape path condition according to Post Limit Confirmation procedure (item 3-12).

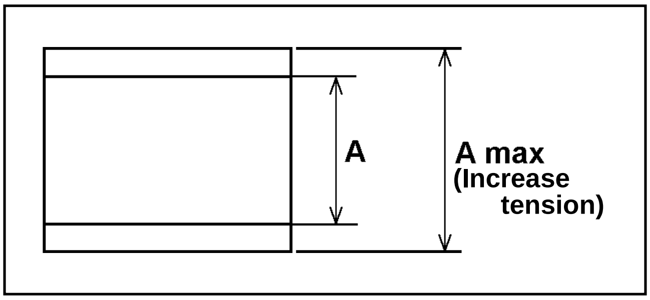


Figure 3-16-1

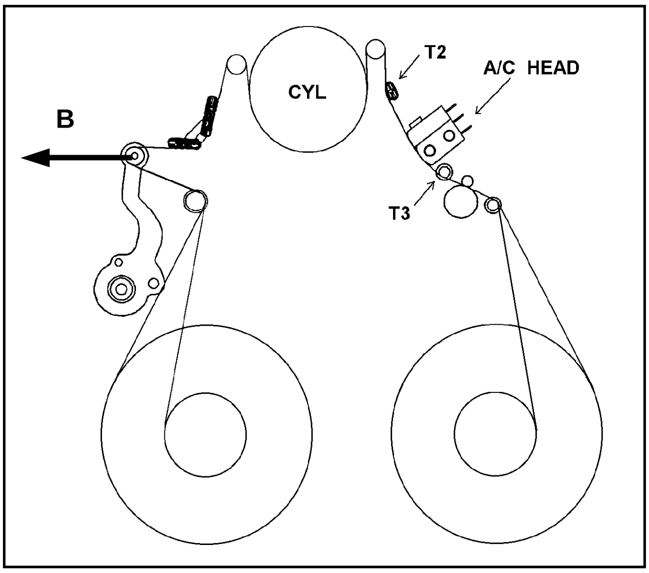


Figure 3-16-2

3-17. A/C Head Height Confirmation

SPEC	CUE : A=A max CTL : C1, C2 ≥ 1.8V
TEST POINT	CUE AUDIO : TP200 (F1 : AUDIO) CTL : TP30 (F7 : SERVO)
ADJ.	SCREW B, H (A/C Head)
MODE	25M mode PLAY
TAPE	**NTSC :** VFM3580KM or VFM3580KL (14 to 22min) [**PAL :** VFM3680KM or VFM3680KL (14 to 22min)]
TOOL	VFK1150 (Nut Driver) VFK1190 (Hex Wrench)

1. Press and Lift up A/C Head lightly (refer to figure 3-13-4) then confirm that the CTL and CUE output level is within the specification.
2. If it is out of spec., loosen the screw (H) and adjust the screw (B) until Cue output is maximized. (refer to item "3-15 A/C Head Height Adjustment".)

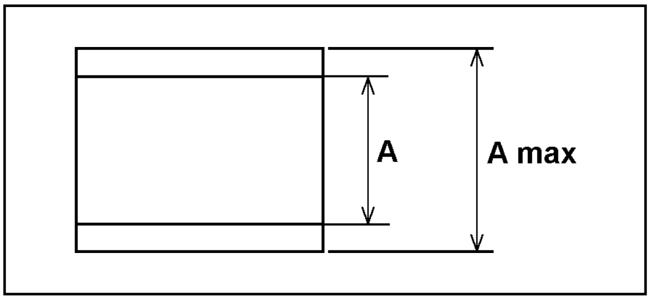


Figure 3-17-1

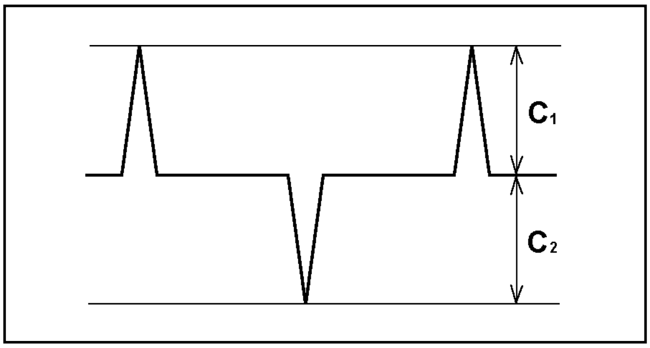


Figure 3-17-2

3-18. A/C Head Azimuth and X-value Adjustment

SPEC	**25M mode : -250µs ≤ t1, t2 ≤ +250µs** **50M mode : -125µs ≤ t1, t2 ≤ +125µs**	**TEST POINT**	R/P ENV L	TP6301 : RF (F8)
			R/P HSW L	TP233 : SERVO (F7)
			CUE	TP200 : AUDIO (F1)
			CTL	TP30 : SERVO (F7)
		M. EQ	Oscilloscope	
		TOOL	VFK0357 (Eccentric Driver)	
ADJ.	A/C Head each screw(C,D,F,G) and hole (E)		VFK1148 (Hex Driver)	
MODE	See below		VFK1209A (Torque Driver)	
TAPE	**NTSC :** VFM3582KM or VFM3582KL **(PAL :** VFM3682KM or VFM3682KL**)**		VFK0912 or VFK1375 (Hex Bit)	

(CTL Reference)

Reference (Trigger)
rising edge : refer to below figure.

(VTR mode)

Mode
25M/50M : ATF PLAY mode by RP Head. 25M mode : A15 : RPL LIN25 50M mode : A13 : RPL LIN50

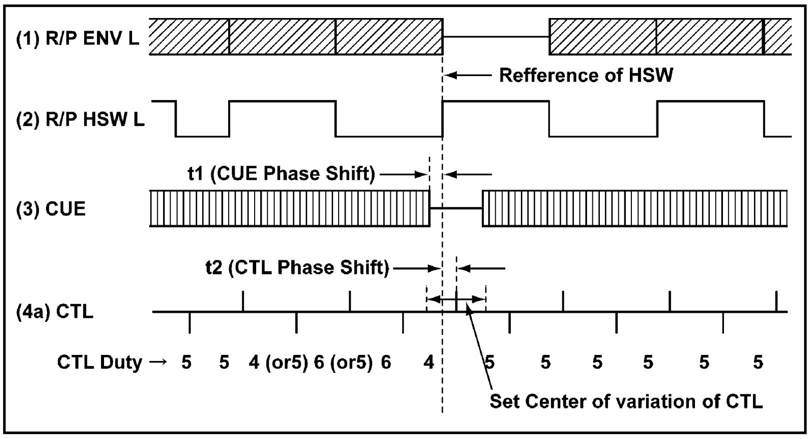


Figure 3-18-1

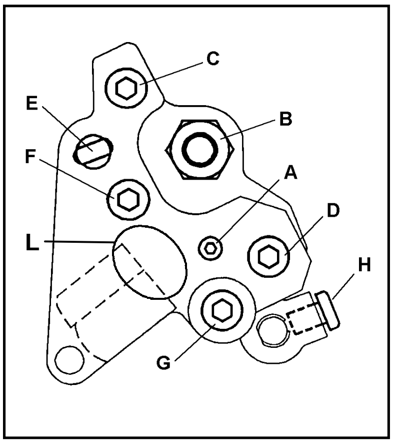


Figure 3-18-2

1. Set the VTR to ATF PLAY mode by RP HEAD.
2. Set the VTR in 25M mode (A15 : RPL LIN25) and playback an X-value Alignment tape.
3. Confirm that the rising edge of CTL match with the front position of non-recorded portion of CUE. If not adjust the Screw (F) to match both phase. (refer to “3-13. A/C Head Adjustment Method”).
4. Adjust A/C Head Horizontal position so that CTL trigger at the frame start match with the reference of HSW (t2). The frame start CTL is located at the edge between 6 : 4 and 5 : 5 portion. To adjust A/C Head Horizontal position, loosen the screw (C) and (D), then adjust the hole (E) by VFK0357. After adjustment, tighten the screw (C) and (D) with 24.6cN (2.5Kgf) torque.
5. Hit the top plate (portion L as shown in figure) of A/C Head lightly, then confirm the phase is not shifted finally.
6. Confirm that t1 and t2 is within SPEC. If not, return to item 3.
7. Set the VTR in 50M mode (A13 : RPL LIN50) and confirm the timing is within the specification. If it is out of spec., return to item3.
8. Fix the screw by Lock Tight glue after the adjustment (refer to item 3-27).

3-19. Compensation Adjustment Of X Value

SPEC	A10 : X VALUE 50 → 0 ± 27 A11 : X VALUE 25 → 0 ± 27
TEST POINT	-----
ADJ.	Search button
MODE	PLAY
TAPE	**NTSC:**VFM3580KM or VFM3580KL **(PAL:**VFM3680KM or VFM3680KL**)**
TOOL	-----

1. Select A10: X VALUE 50 in SERVO MENU.
2. Playback the alignment tape.
3. Press Search button so that the following character is displayed on the screen.

```
PLAY ALIGNMENT TAPE OK?
            OK : <SEAR CH>
            NO : <Menu>
```

4. Keep pressing the Search button until the compensation value on the A10: X VALUE 50 is renewed. (The value dissapear in a moment before it is renewed.)
5. Select A11: X VALUE 25 in SERVO MENU.
6. Playback the alignment tape.
7. Press Search button so that the following character is displayed on the screen.

```
PLAY ALIGNMENT TAPE OK?
            OK : <SEAR CH>
            NO : <Menu>
```

8. Keep pressing the Search button unit the compensation value on the A11: X VALUE 25 is renewed. (The value dissapear in a moment before it is renewed.)
9. Confirm that the compensation value meets the SPEC.
10. If it is out of SPEC., perform X-value Adjustment (item 3-18).

3-20. REV Tape Path Confirmation and Adjustment (T4 Post Height Adjustment)

SPEC	①. C1, C2 ≥ Cp1×0.75, Cp2×0.75 **NOTE:** **C1, C2 : CTL output REV (x-1) mode** **Cp1, Cp2 : CTL output PLAY (x1) mode.** ②. Lower limit at T3 post on REV mode. ③. Curl should not appear on tape at T3 and T4 post.
TEST POINT	CTL : TP30 : SERVO (F7)
ADJ.	T4 post height
MODE	See below
TAPE	**NTSC:**VFM3580KM or VFM3580KL **(PAL:**VFM3680KM or VFM3680KL**)**
TOOL	VFK1151 (Nut Driver)

(VTR mode)

Mode
[PLAY (+1)]
PLAY on 25M mode
[REV (-1)]
SHTL × -1 on 25M mode

1. Place the unit into REV X1 mode and confirm that the CTL output level becomes more than 75% of that of play mode. Confirm that the tape path becomes lower limit at T3 post and the tape does not have curl at T3 and T4 post.
2. If it is out of specification, adjust T4 post by following procedure.
3. Turn the Nut of T4 post clockwise or counter clockwise by the tape limit condition at T3 post. The rotation angle for each adjustment should be less than 45 degree in order to prevent the tape damage.
4. If still it is out of specification, adjust T4 post height by following the item "3-1. Post Height Pre-adjustment procedure".
5. Fix the screw by Lock Tight glue after the adjustment (refer to item 3-27).

[T4 Nut Adjustment Direction]

Direction	CTL Level	Condition of lower limit on T3 Post
Tighten	Increase	Tape touch to be strong
Loosen	Decrease	Tape touch to be weak

[Post limit]

Post	A	B	C	D	E	F
T3	NG	NG	OK	NG	NG	NG
T4	OK	OK	OK	NG	NG	NG

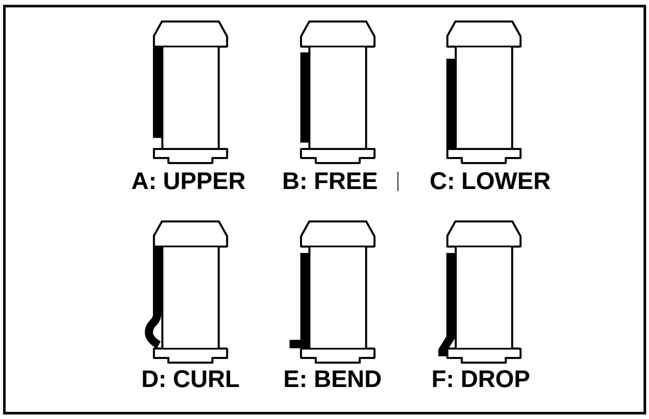


Figure 3-20-1

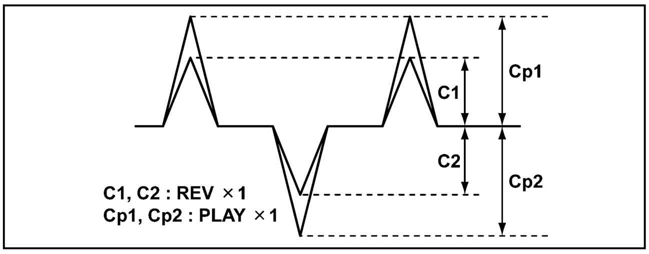


Figure 3-20-2

3-21. CTL Self Recording Level Confirmation

TEST POINT	TP30 : SERVO (F7)
ADJ.	T4 post height
MODE	PLAY, REV×1, REV×0.2
TAPE	Blank Tape M cassette 66 min
M.EQ	Oscilloscope

(Specification for confirmation)

CTL Output Level : C1, C2
PLAY
C1, C2 ≥ 1.8 V
REV (SHTL x-1)
C1, C2 ≥ 1.4 V
REV (SHTL x-0.2)
C1, C2 ≥ 1.2 V

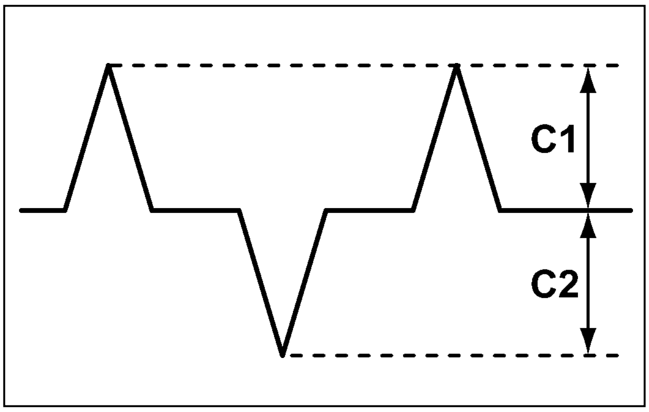


Figure 3-21-1

1. Confirm that the each screws are fixed on A/C Head.
2. Place the Unit into DVCPRO 25M REC mode and playback the recorded portion.
3. Confirm that the CTL level is within the specification at PLAY and REV mode.
4. If CTL level is out of specification at PLAY mode, confirm the height of A/C Head (refer to item “3-17. A/C Head Height Confirmation”)
5. If CTL level is out of specification at REV mode, confirm the height of T4 Post (refer to item “3-20. REV Tape Path Confirmation and Adjustment”).

3-22. Play Tape Path Limit Confirmation

SPEC	Each post limit shown in figure below.
MODE	PLAY
TAPE	VFM3580KM/L or Blank Tape

Post Name	Tape limit (refer to figure)						Adjustment Point	Adjustment Item
	A	B	C	D	E	F		
S5 post	NG	OK	OK	NG	NG	NG	S4, S5 post	Post Height Pre-Adjustment
S4 (Tension) post	NG	NG	OK	NG	NG	NG		
S1 post	OK	NG	NG	NG	NG	NG	S1, T1 post	ENV Waveform Adjustment
T1 post	OK	NG	NG	NG	NG	NG		
T3 post	NG	NG	OK	NG	NG	NG	A/C Head tilt screw	A/C Head Tilt Adjustment
T4 post	OK	OK	OK	NG	NG	NG	T4 post	Post Height Pre-Adjustment

Table 3-22-1

1. Place the unit into PLAY mode and confirm that the each post limits is within the specification.
2. If it is out of specification, adjust the post height by following the each adjustment procedure (Refer to above table).

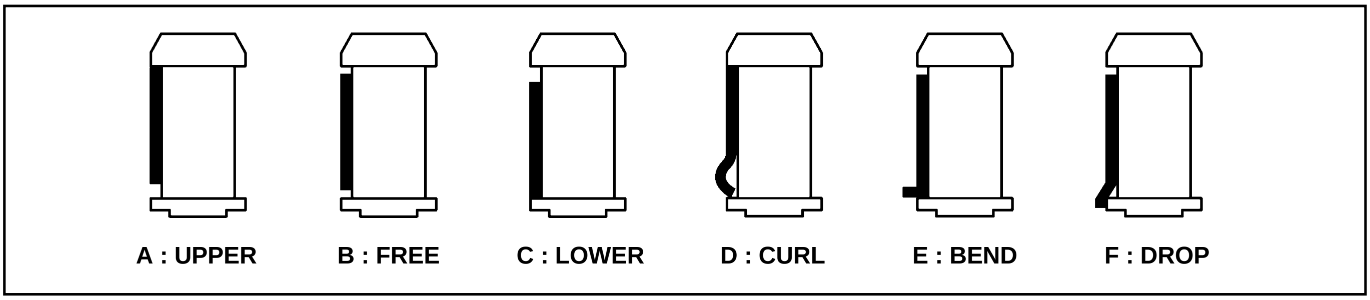


Figure 3-22-1

3-23. Confirmation of Envelope on REV, REW and FF mode

SPEC	See Figure 3-23-1
TEST POINT	See below
MODE	REV, REW, FF
TAPE	**NTSC :** VFM3580KM or VFM3580KL **(PAL :** VFM3680KM or VFM3680KL**)**
M. EQ	Oscilloscope

(Test Point)

Signal	Test Point
(1) R/P ENV L	TP6301 : RF (F8)
(2) R/P HSW L	TP233 : SERVO (F7)

Table 3-23-1

1. Confirm that the Envelope waveform becomes in the specification at REV, REW and FF mode as following.
    - Waveform must be Diamond Style. (Figure 3-23-1)
    - All the peak level must be more than 90% of maximum level.
      V/Vmax ≥ 0.9
2. If it is out of spec, adjust S4 post height. (refer to item “3-1.Post Height Pre-Adjustment”)

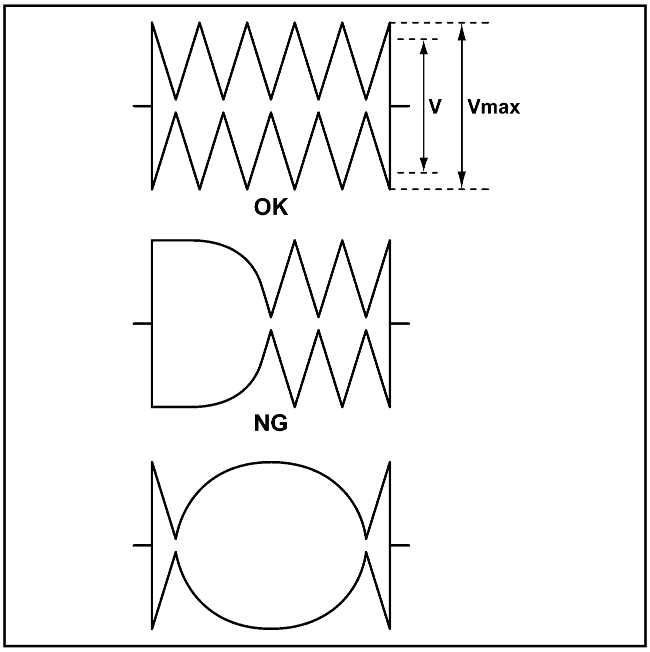


Figure 3-23-1

3-24. Confirmation of Play Start Envelope

SPEC	Envelope Waveform signal should be rising up immediately at PLAY mode.
TEST POINT	Refer to Table 3-23-1 on previous item “3-23. Confirmation of Envelope on REV/REW and FF mode”.
MODE	REW/REV → PLAY, FF → PLAY, Loading completion (STOP) → PLAY
TAPE	L Cassette (123min, Recorded tape) Tape beginning portion
M. EQ	Oscilloscope

This adjustment must be done after Envelope Waveform Adjustment.

1. Confirm that the envelope appears immediately when the mode is changed from REW to PLAY, REV to PLAY, FF to PLAY, and STOP to PLAY mode.
2. If not, adjust S4 post height. (refer to item “Post Height Pre-Adjustment”)

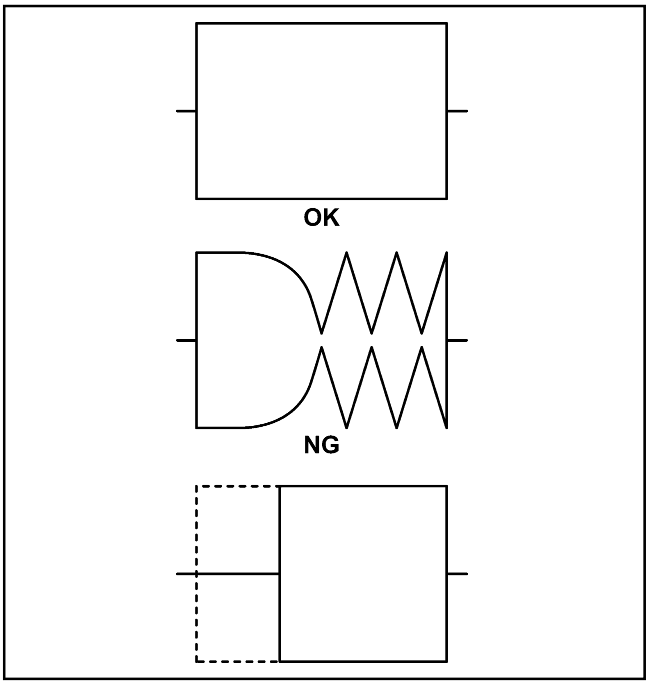


Figure 3-24-1

3-25. REV mode Tape Path Limit Confirmation

SPEC	Each post limit shown in below figure
MODE	REV
TAPE	**NTSC :** VFM3580KM or VFM3580KL **(PAL :** VFM3680KM or VFM3680KL**)**

Post Name	**Tape Limit (Refer to figure 3-25-1)**					
	A	**B**	**C**	**D**	**E**	**F**
S5 Post	OK	OK	OK	NG	NG	NG
S4 Post (Tension Post)	NG	OK	OK	NG	NG	NG
S1 Post	OK	NG	NG	NG	NG	NG
T1 Post	OK	OK	OK	NG	NG	NG
T3 Post	NG	NG	OK	NG	NG	NG
T4 Post	OK	OK	OK	NG	NG	NG

1. Place unit into REV mode and confirm the each post limits is within the specification.
2. If it is out of specification, adjust the post height by following the each adjustment procedure (Refer to Table 3-22-1 on item 3-22)

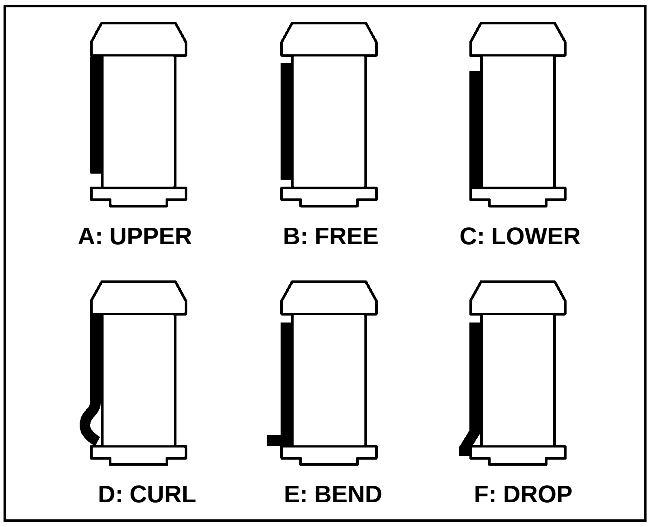

A: UPPER
B: FREE
C: LOWER
D: CURL
E: BEND
F: DROP

Figure 3-25-1

3-26. FF, REW mode Tape Path Limit Confirmation

SPEC	Each post limit shown in below figure
MODE	FF, REW
TAPE	**NTSC :** VFM3580KM or VFM3580KL **(PAL :** VFM3680KM or VFM3680KL**)**

Post Name	**Tape Limit (Refer to figure 3-25-1)**					
	A	**B**	**C**	**D**	**E**	**F**
S5 Post	OK	OK	OK	NG	NG	NG
S4 Post (Tension Post)	NG	OK	OK	NG	NG	NG
S1 Post	OK	NG	NG	NG	NG	NG
T1 Post	OK	OK	OK	NG	NG	NG
T3 Post	OK	OK	OK	NG	NG	NG
T4 Post	OK	OK	OK	NG	NG	NG

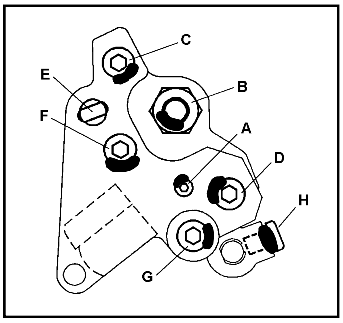
1. Place the unit into FF and REW mode and confirm the each post limits is within the specification.
2. If out of specification, adjust the post height by following the each adjustment procedure (Refer to Table 3-22-1 on item 3-22)

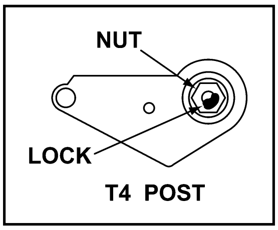
3-27. Screw Lock Tight of A/C Head and T3, T4 Post

<Screw Lock Tight of A/C Head>

	SCREW A	**OTHER SCREWS**
Lock Tight glue Quantity	1/3 of the screw	1/3 of the screw

1. Fix the screw by the Lock Tight glue after A/C Head Adjustment as shown in figure below.
2. Melt the glue before adjust each screws.





<Screw Lock Tight of T3 and T4 Post>

	SCREW A	**OTHER SCREWS**
Lock Tight glue Quantity	1/4 of the screw	1/4 of the screw

1. Fix the Nut by the Lock Tight Grew after T4 Post Height Adjustment.
2. Melt the grew before performing adjustment.

3-28. Confirmation of Tape Damage for Long Tape Playback

<Confirmation procedure>

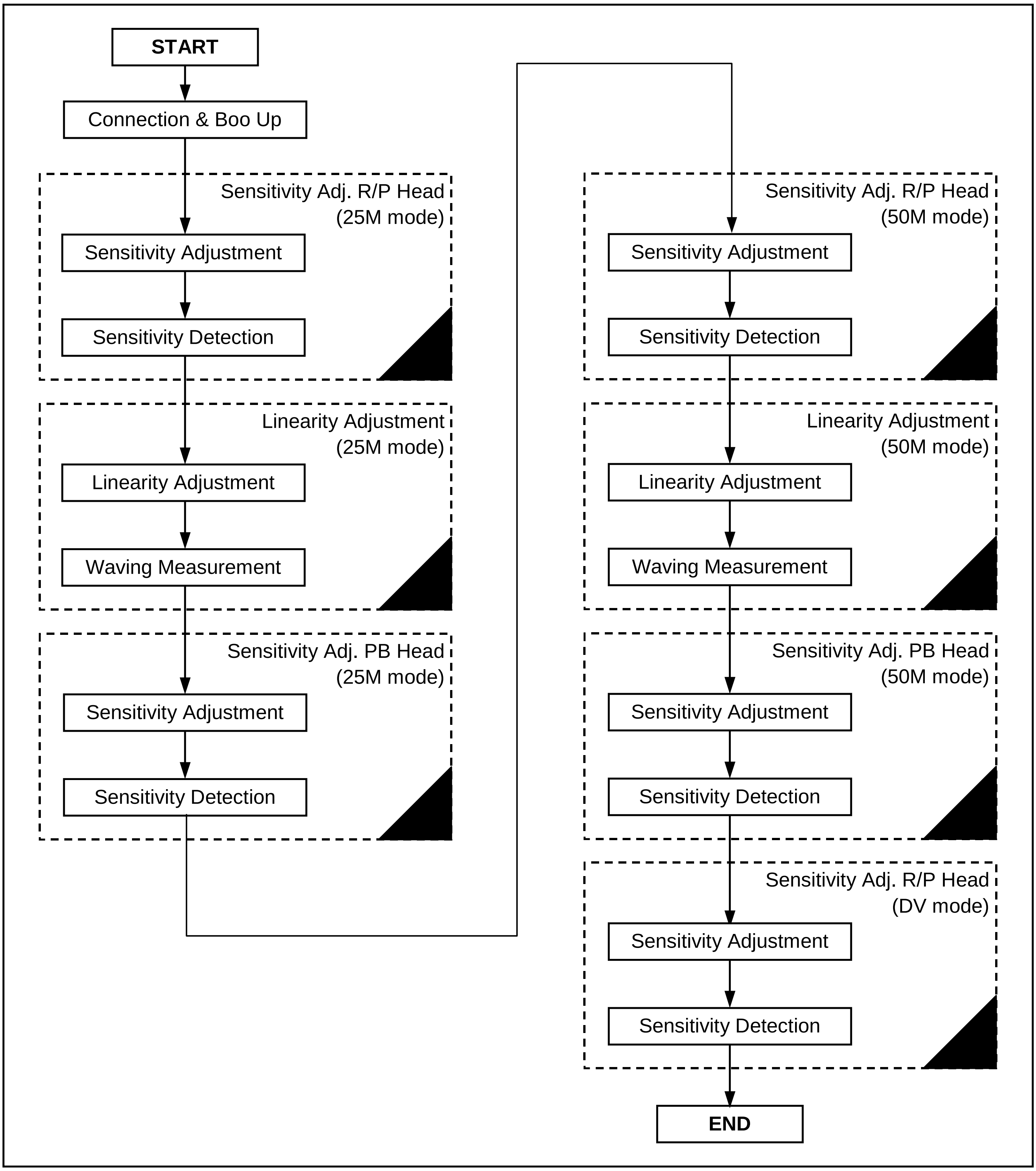
Item	Confirmation mode	Specification
Tape Damage ①	×0.5 speed (step slow)	Tape damage should not occur on tape at lower limit of T3 and T4 post.
	<Tape> Long time L cassette: thin tape (AJ-5P92LP : recorded tape) Tape beginning portion	
Tape Damage ②	SHTL	Tape damage should not occur on tape at lower limit of T3 and T4 post.
	Repeat FWD←→REV mode (maximum speed at Pinch ON condition)	
	<Tape> Long time L cassette: thin tape (AJ-5P92LP : recorded tape) Tape end portion	

1. Place the unit into above “Confirmation mode”.
2. Confirm that tape damage doesn’t occur on tape at lower limit of T3 and T4 post.
3. If it is out of SPEC., adjust T4 post and return to item 3-20.

NOTE: Recording mode of the tape which is used for this confirmation is DVCPRO50 mode.

3-29. LISTA Adjustment Procedure

Procedure


START
Connection & Boo Up
Sensitivity Adj. R/P Head (25M mode)
Sensitivity Adjustment
Sensitivity Detection
Linearity Adjustment (25M mode)
Linearity Adjustment
Waving Measurement
Sensitivity Adj. PB Head (25M mode)
Sensitivity Adjustment
Sensitivity Detection
Sensitivity Adj. R/P Head (50M mode)
Sensitivity Adjustment
Sensitivity Detection
Linearity Adjustment (50M mode)
Linearity Adjustment
Waving Measurement
Sensitivity Adj. PB Head (50M mode)
Sensitivity Adjustment
Sensitivity Detection
Sensitivity Adj. R/P Head (DV mode)
Sensitivity Adjustment
Sensitivity Detection
END

<Information>

Mode changes 25M ←→ 50M of LISTA software can be performed on the LISTA main menu by pressing **"0"** key on Keyboard of PC..

3-30. LISTA Connection and Boot Up

TEST POINT	ATF ERROR	R/P-L	TP6701 RF (F8)
		R/P-R	TP6801 RF (F8)
		PB-L	TP5701 RF (F8)
	TRIGGER (H SW)	R/P-L	TP233 SERVO (F7)
		R/P-R	TP6802 RF (F8)
		PB-L	TP232 SERVO (F7)
M. EQ.	PC (Personal Computer) (A/D board should be installed)		
TAPE	**NTSC :** VFM3581KM or VFM3581KL (LISTA), VFM3000EDS (DV LISTA) **(PAL :** VFM3681KM or VFM3681KL (LISTA), VFM3000EDS (DV LISTA)**)**		
TOOL	VFK1481D (LISTA Software), VFK1186 (LISTA Cable), VFK1300 (AD Converter board)		

<Classified list for LISTA Connection>

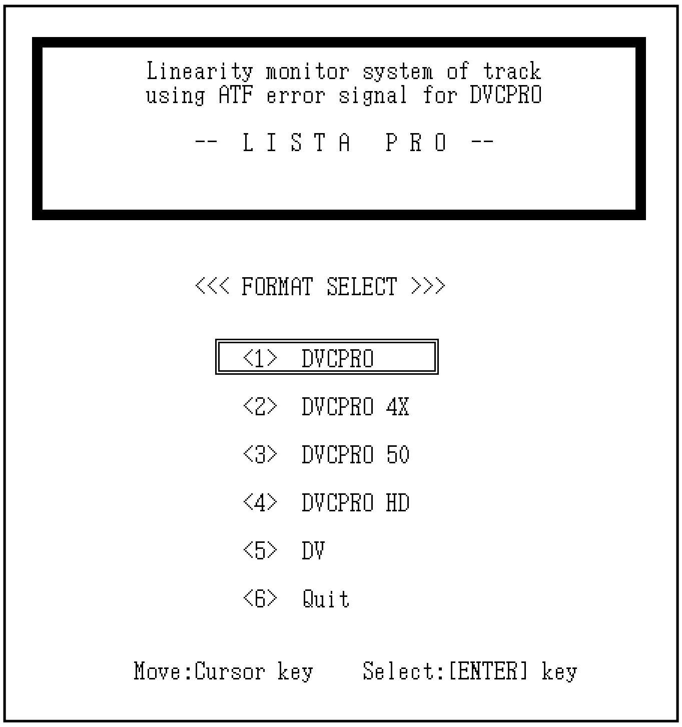
1. Connect the LISTA cable to A/D Board in the PC.
2. Connect the clips of the LISTA cable to test point on the P.C.Board.
3. Boot up the LISTA software on DOS mode.

♦ How to install and boot Up ♦

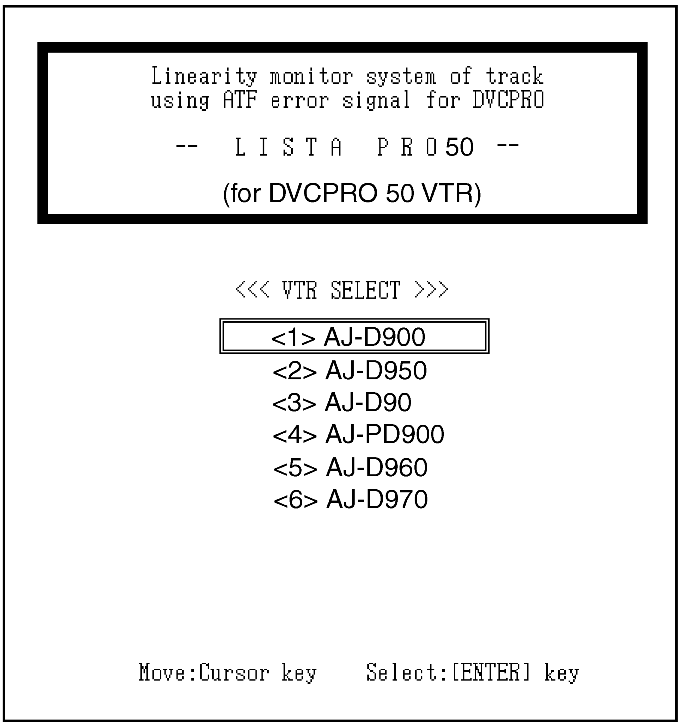
Make a directory like C : Lista and Copy all files in the floppy disk (VFK1481D : LISTA Software) to it on PC.

Type **“LISTA”** and press **ENTER** key, then the LISTA software VFK1481D boot up.

4. After the LISTA software boot up, <<< FORMAT SELECT >>> display appears. Select the “DVCPRO 50” so that the <<VTR SELECT>> Menu appears.
5. Select “AJ-D950” in <<VTR SELECT>> menu so that the <<Aligument Tape Select>> Menu appears.



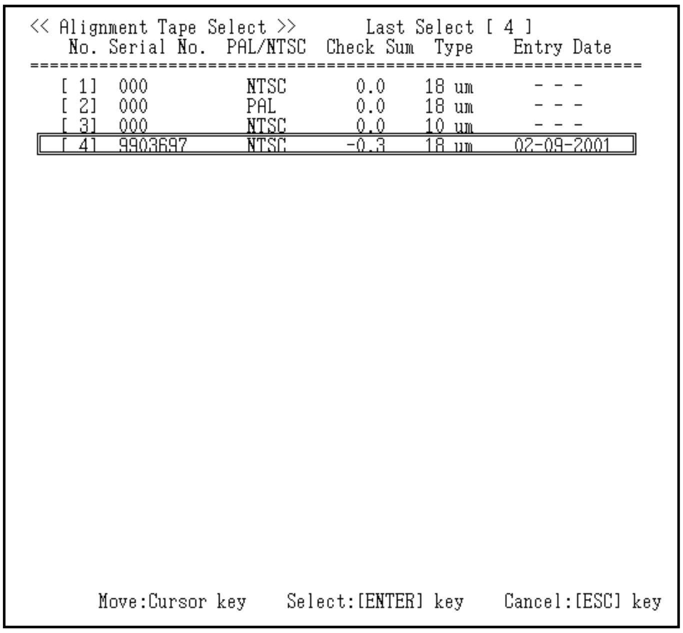
```
Linearity monitor system of track
using ATF error signal for DVCPRO

-- L I S T A   P R O --

<<< FORMAT SELECT >>>

<1>  DVCPRO
<2>  DVCPRO 4X
<3>  DVCPRO 50
<4>  DVCPRO HD
<5>  DV
<6>  Quit

Move:Cursor key    Select:[ENTER] key
```



```
Linearity monitor system of track
using ATF error signal for DVCPRO

--  L I S T A   P R O 50  --

(for DVCPRO 50 VTR)

<<< VTR SELECT >>>

<1> AJ-D900
<2> AJ-D950
<3> AJ-D90
<4> AJ-PD900
<5> AJ-D960
<6> AJ-D970

Move:Cursor key    Select:[ENTER] key
```

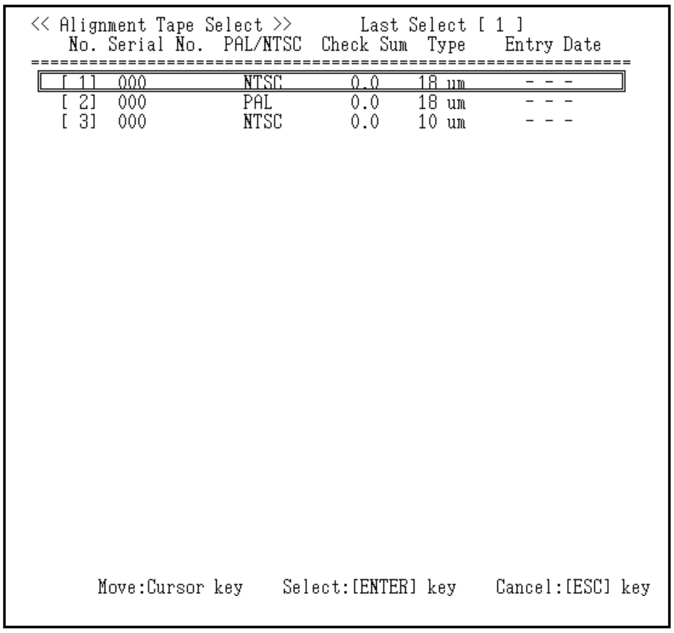
6. Select the Serial number of the Alignment tape on the screen. If LISTA software does not have alignment tape data registered, data entry is needed. Press the ESC key, then main menu is displayed on the screen. And select the item “<4> Alignment Tape” to enter the data on the attachment sheet which is enclosed with alignment tape.
7. If LISTA software has the data of alignment tape, select the serial number of Alignment tape, then message “ok?(y/n)” appears on the screen. And press “ Y ” or “ ENTER ” key so that LISTA main menu is displayed on screen.

<< In case Alignment Tape data is already registered >>



```
<< Alignment Tape Select >>       Last Select [ 4 ]
    No. Serial No.  PAL/NTSC  Check Sum  Type    Entry Date
==============================================================
   [ 1]  000          NTSC       0.0    18 um      - - -
   [ 2]  000          PAL        0.0    18 um      - - -
   [ 3]  000          NTSC       0.0    10 um      - - -
   [ 4]  9903697      NTSC      -0.3    18 um    02-09-2001

       Move:Cursor key    Select:[ENTER] key    Cancel:[ESC] key
```

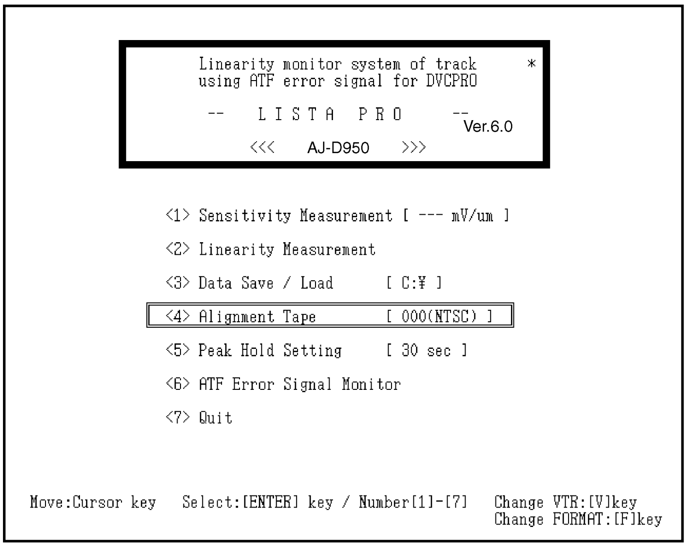
<< In case Alignment Tape data is not registered >>



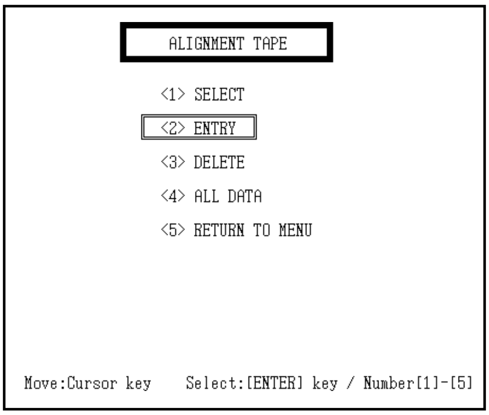
```
<< Alignment Tape Select >>       Last Select [ 1 ]
    No. Serial No.  PAL/NTSC  Check Sum  Type    Entry Date
==============================================================
   [ 1]  000          NTSC       0.0    18 um      - - -
   [ 2]  000          PAL        0.0    18 um      - - -
   [ 3]  000          NTSC       0.0    10 um      - - -

       Move:Cursor key    Select:[ENTER] key    Cancel:[ESC] key
```

3-31. How to Enter the Attachment Data of Alignment Tape

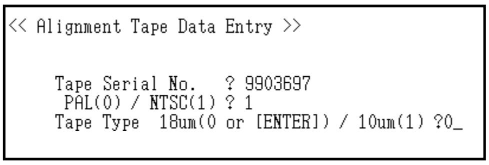
1. Select the item “<4> Alignment Tape” on the LISTA main menu.
2. Select the item “<2> ENTRY” on the “alignment Tape” menu.
3. After the screen of <<Alignment Tape Data Entry>>is displayed, first input the Serial Number of Alignment tape printed on the label. And input the number “0” or “1” to select the PAL/NTSC. Following the format select (PAL/NTSC), Select tape type (18µm/10µm/9µm).
4. After selecting the tape type, the frame for entering the DATA and CHECK SUM appears on the screen. Input the numerical value on the data sheet which are enclosed with alignment tape. If input the wrong number, the error message appears on the screen after the Check Sum calculation, then confirm the data on the sheet.
5. After the data entry, the Screen returns to “Lista Main” menu. Confirm the serial number of Alignment tape.



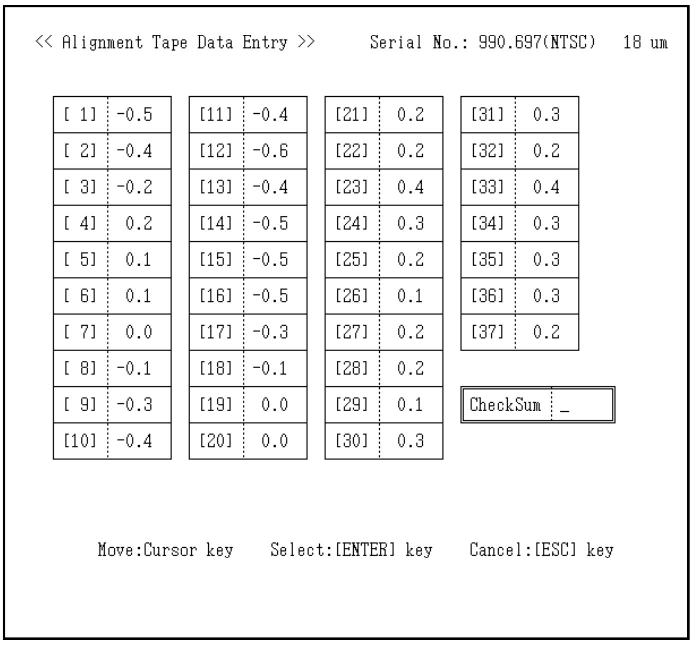
```
        Linearity monitor system of track      *
        using ATF error signal for DVCPRO

         --    L I S T A   P R O      --
                                    Ver.6.0
             <<<     AJ-D950      >>>

<1> Sensitivity Measurement [ --- mV/um ]
<2> Linearity Measurement
<3> Data Save / Load      [ C:¥ ]
<4> Alignment Tape        [ 000(NTSC) ]
<5> Peak Hold Setting     [ 30 sec ]
<6> ATF Error Signal Monitor
<7> Quit

Move:Cursor key   Select:[ENTER] key / Number[1]-[7]   Change VTR:[V]key
                                                       Change FORMAT:[F]key
```



```
        ALIGNMENT TAPE

     <1> SELECT
     <2> ENTRY
     <3> DELETE
     <4> ALL DATA
     <5> RETURN TO MENU

Move:Cursor key    Select:[ENTER] key / Number[1]-[5]
```



```
<< Alignment Tape Data Entry >>

    Tape Serial No.   ? 9903697
     PAL(0) / NTSC(1) ? 1
    Tape Type  18um(0 or [ENTER]) / 10um(1) ?0_
```



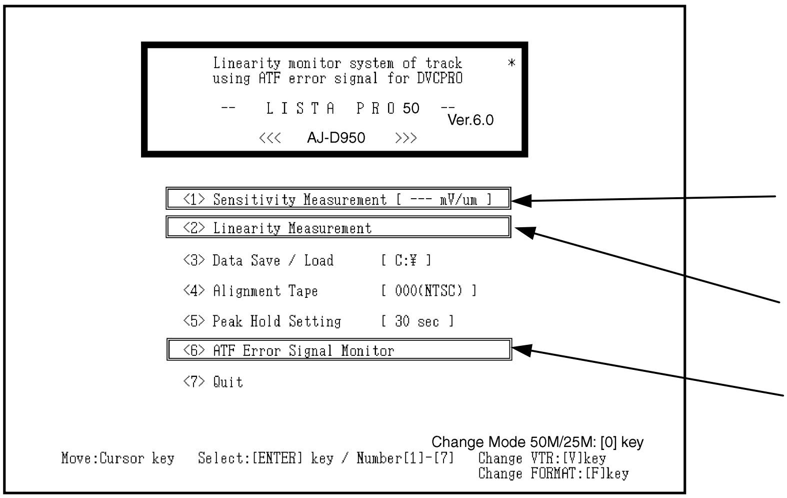
```
<< Alignment Tape Data Entry >>      Serial No.: 990.697(NTSC)   18 um

[ 1] -0.5   [11] -0.4   [21]  0.2   [31]  0.3
[ 2] -0.4   [12] -0.6   [22]  0.2   [32]  0.2
[ 3] -0.2   [13] -0.4   [23]  0.4   [33]  0.4
[ 4]  0.2   [14] -0.5   [24]  0.3   [34]  0.3
[ 5]  0.1   [15] -0.5   [25]  0.2   [35]  0.3
[ 6]  0.1   [16] -0.5   [26]  0.1   [36]  0.3
[ 7]  0.0   [17] -0.3   [27]  0.2   [37]  0.2
[ 8] -0.1   [18] -0.1   [28]  0.2
[ 9] -0.3   [19]  0.0   [29]  0.1   CheckSum _
[10] -0.4   [20]  0.0   [30]  0.3

    Move:Cursor key    Select:[ENTER] key    Cancel:[ESC] key
```

3-32. RP Head Sensitivity Adjustment and Sensitivity Detection (25M Mode)

SPEC.	Sensitivity 100±10 (mV/µm)	
TEST POINT	① ATF (R/P-L)	TP6701 RF (F8) (not TP5701 (PB-L ATF))
	② H SW (R/P-L)	TP233 SERVO (F7)
	③ GND	TG102 RF (F8)
VTR MODE	PLAYBACK	
ADJUSTMENT	SERVO Adjustment Menu: “A14 : RPL GAIN 25”	
TAPE	NTSC: VFM3581KM or VFM3581KL (PAL: VFM3681KM or VFM3681KL)	

Set the LISTA software in 25M Mode. 25M and 50M mode can be changed by “0” key.

1. Set the VTR in Service Mode to open the servo menu and select the item of “A14: RPL GAIN 25” in the “SERVO ADJUST” menu.
2. Playback a LISTA alignment tape (VFM3581KM or VFM3581KL).
3. Select the LISTA (6) ATF Error Signal Monitor so that the screen of <ATF Error Signal monitor> appears (refer to figure 3-32-2) Then press Enter to start the software.
4. When the picture is appeared as shown in figure 3-32-3, adjust ATF Gain (A14: RPL GAIN 25) so that the “Sens. Value:” is in the Specification. To return the main menu, press ESC key.
5. Select Lista Main Menu “(1) Sensitivity Measurement” so that the screen of <ATF Error Signal monitor> appears (refer to 3-32-2).
6. Playback a Lista alignment tape.
7. Press “Enter” to start the Sensitivity measurement.
8. Confirm that the sensitivity value is within the specification on the <Sensitivity Measurement Finish> screen. (refer to figure 3-32-4).
9. If it is out of specification, return to item 3.



```
Linearity monitor system of track        *
using ATF error signal for DVCPRO

--   L I S T A   P R O 50   --
                           Ver.6.0
<<<    AJ-D950    >>>

<1> Sensitivity Measurement [ --- mV/um ]
<2> Linearity Measurement
<3> Data Save / Load      [ C:¥ ]
<4> Alignment Tape        [ 000(NTSC) ]
<5> Peak Hold Setting     [ 30 sec ]
<6> ATF Error Signal Monitor
<7> Quit

                                                Change Mode 50M/25M: [0] key
Move:Cursor key   Select:[ENTER] key / Number[1]-[7]   Change VTR:[V]key
                                                       Change FORMAT:[F]key
```

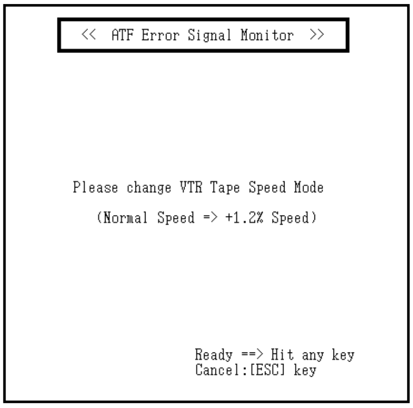
Select for sensitivity detection

Select for Linearity adjustment

Select for sensitivity adjustment

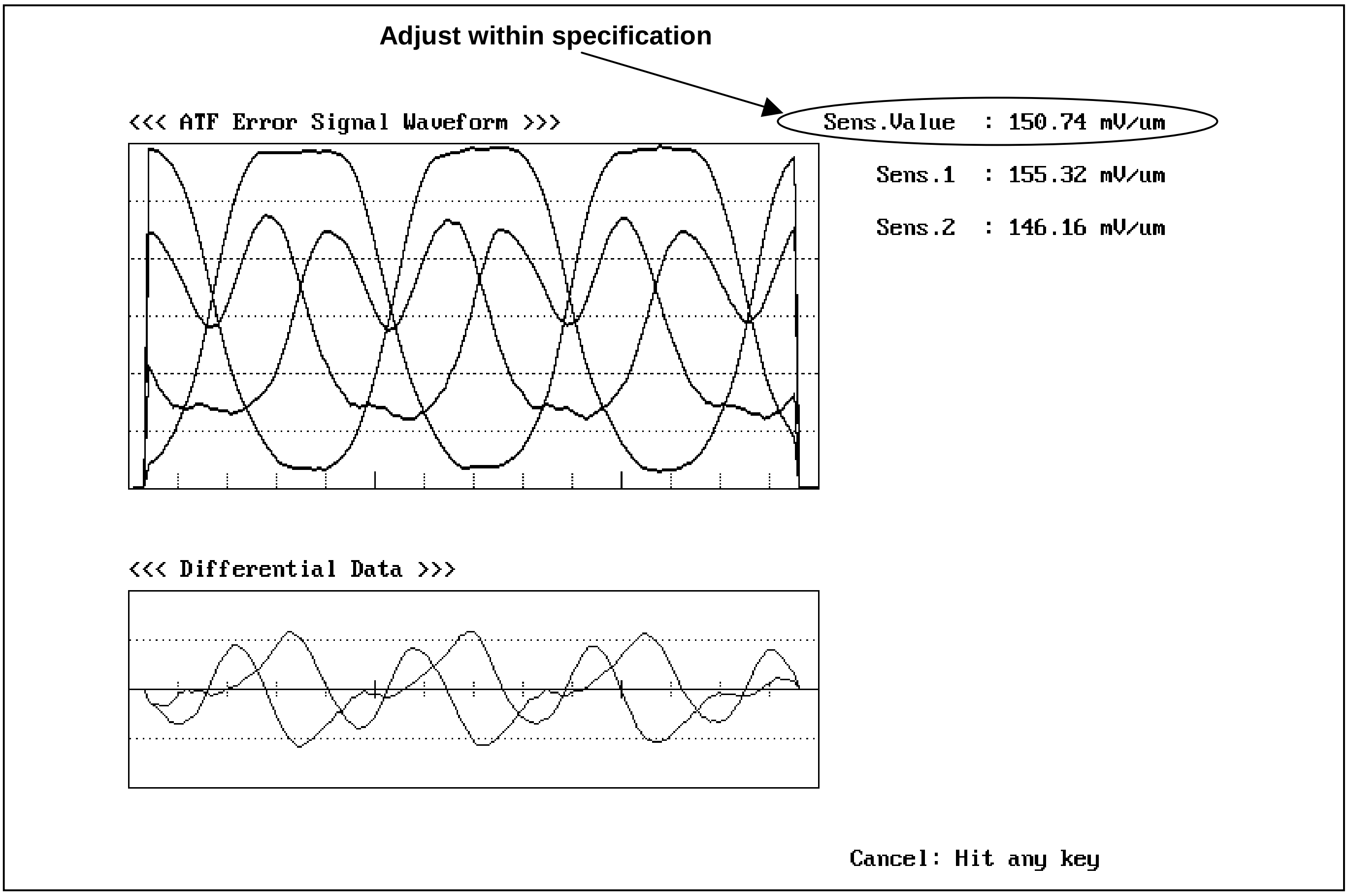
Figure 3-32-1

In case “ATF Error Signal Monitor”
or “sensitivity Measurement” is selected.



```
<<  ATF Error Signal Monitor  >>

Please change VTR Tape Speed Mode
  (Normal Speed => +1.2% Speed)

                 Ready ==> Hit any key
                 Cancel:[ESC] key
```

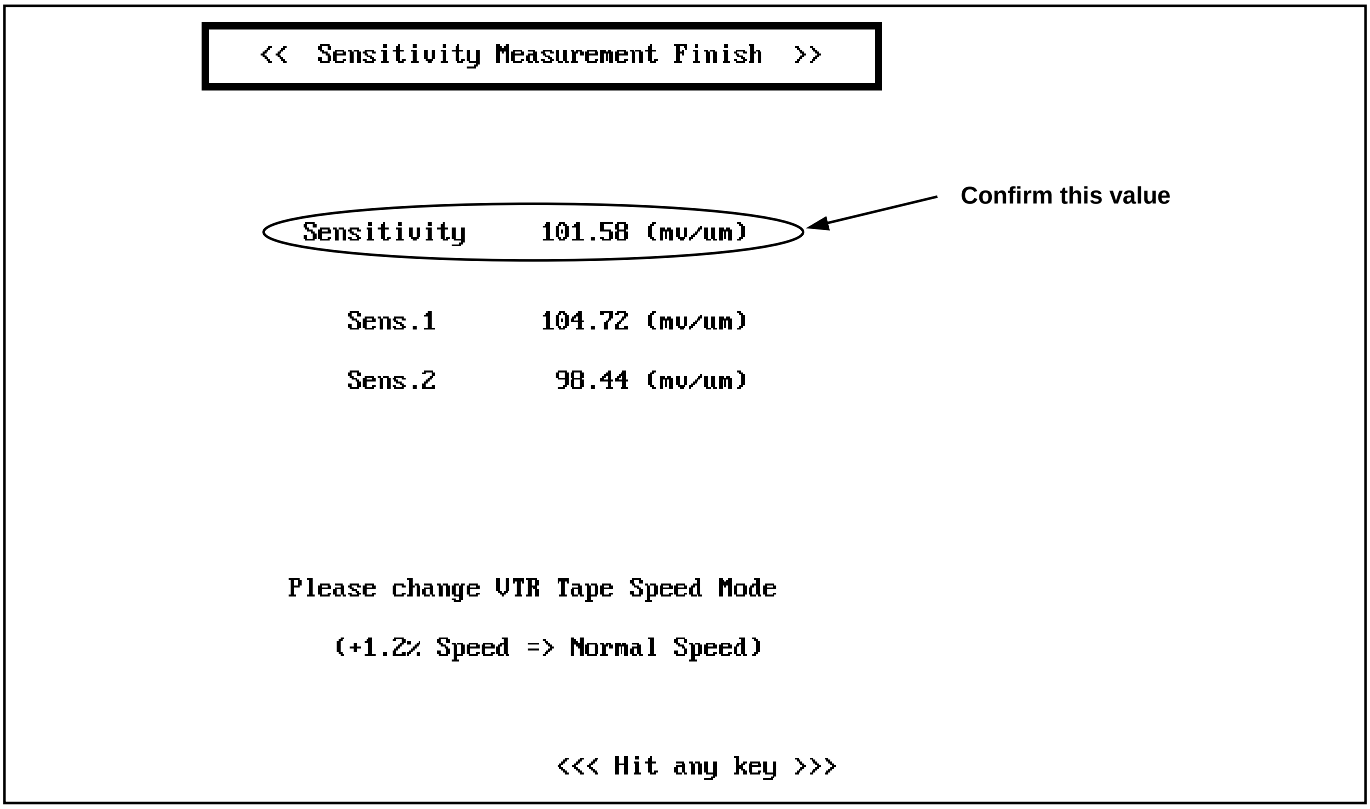
Figure 3-32-2



Adjust within specification

```
<<< ATF Error Signal Waveform >>>          Sens.Value  : 150.74 mV/um

                                             Sens.1    : 155.32 mV/um

                                             Sens.2    : 146.16 mV/um


<<< Differential Data >>>


                                          Cancel: Hit any key
```

Figure 3-32-3



Confirm this value

```
<<  Sensitivity Measurement Finish  >>


    Sensitivity     101.58 (mv/um)

       Sens.1       104.72 (mv/um)

       Sens.2        98.44 (mv/um)


  Please change VTR Tape Speed Mode

     (+1.2% Speed => Normal Speed)


                 <<< Hit any key >>>
```

Figure 3-32-4

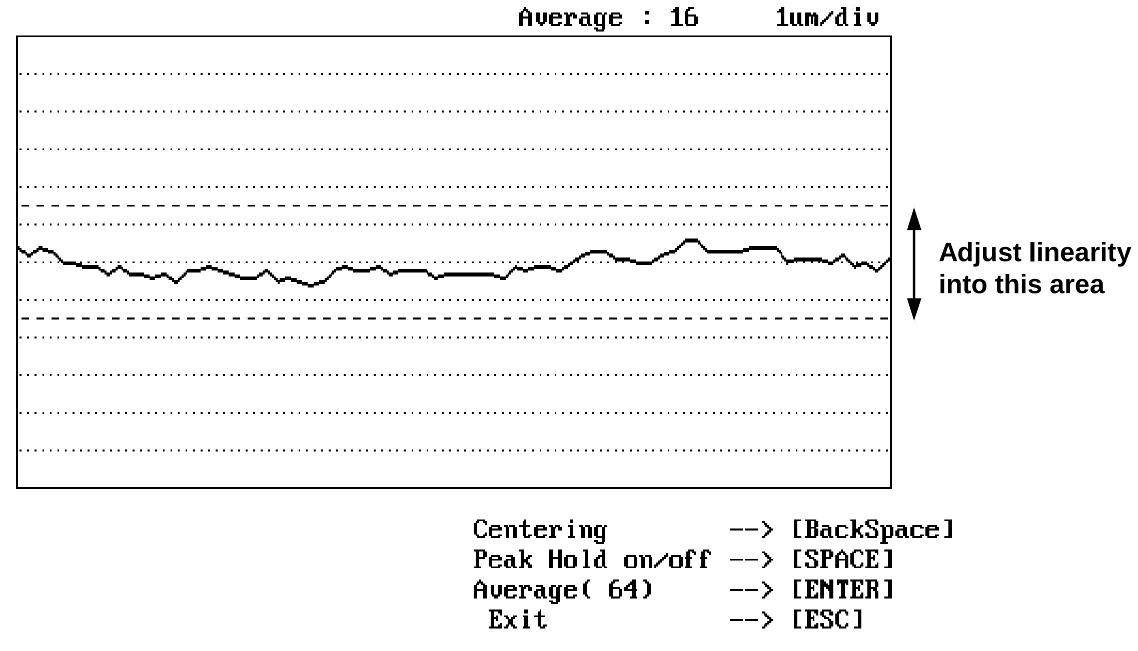
3-33. LISTA Linearity Adjustment and Waving Measurement (25M mode)

SPEC.	Linearity : less than 3µm, Waving : less than 1.5µm	
TEST POINT	① ATF (R/P-L)	TP6701 RF (F8) (not TP5701 (PB-L ATF))
	② H SW (R/P-L)	TP233 SERVO (F7)
	③ GND	TG102 RF (F8)
VTR MODE	PLAYBACK	
ADJ. MODE	SERVO ADJUSTMENT MENU: “A15: RPL LIN25”	
ADJUST	S1 and T1 Post Height	
TOOL	VFK1149 or VFK1149A (Post Driver)	
TAPE	NTSC: VFM3581KM or VFM3581KL(LISTA) (PAL: VFM3681KM or VFM3681KL(LISTA))	

Linearity Adjustment Procedures

1. Connect the each clips of LISTA cable to test points.
2. Set the Lista software in 25M mode. 25M and 50M mode can be changed by “0” key.
3. Set the VTR in Service Mode to open the servo menu and select the item of “A15: RPL LIN 25”.
4. Playback the LISTA Alignment Tape.
5. Select the item “<2> Linearity Measurement” on the LISTA main menu, and then linearity waveform appears on the screen.
6. When the waveform as shown below is displayed on the screen, press the “BS (Back Space)” key to move the waveform at the center of the scale on screen. Adjust S1 and T1 post height by using the post driver so that the linearity waveform becomes as flat as possible, and it should be within the specification.

♦ Adjust linearity, to have waveform in between the red dot lines on the screen.



```
Average : 16     1um/div
```

```
Centering        --> [BackSpace]
Peak Hold on/off --> [SPACE]
Average( 64)     --> [ENTER]
 Exit            --> [ESC]
```

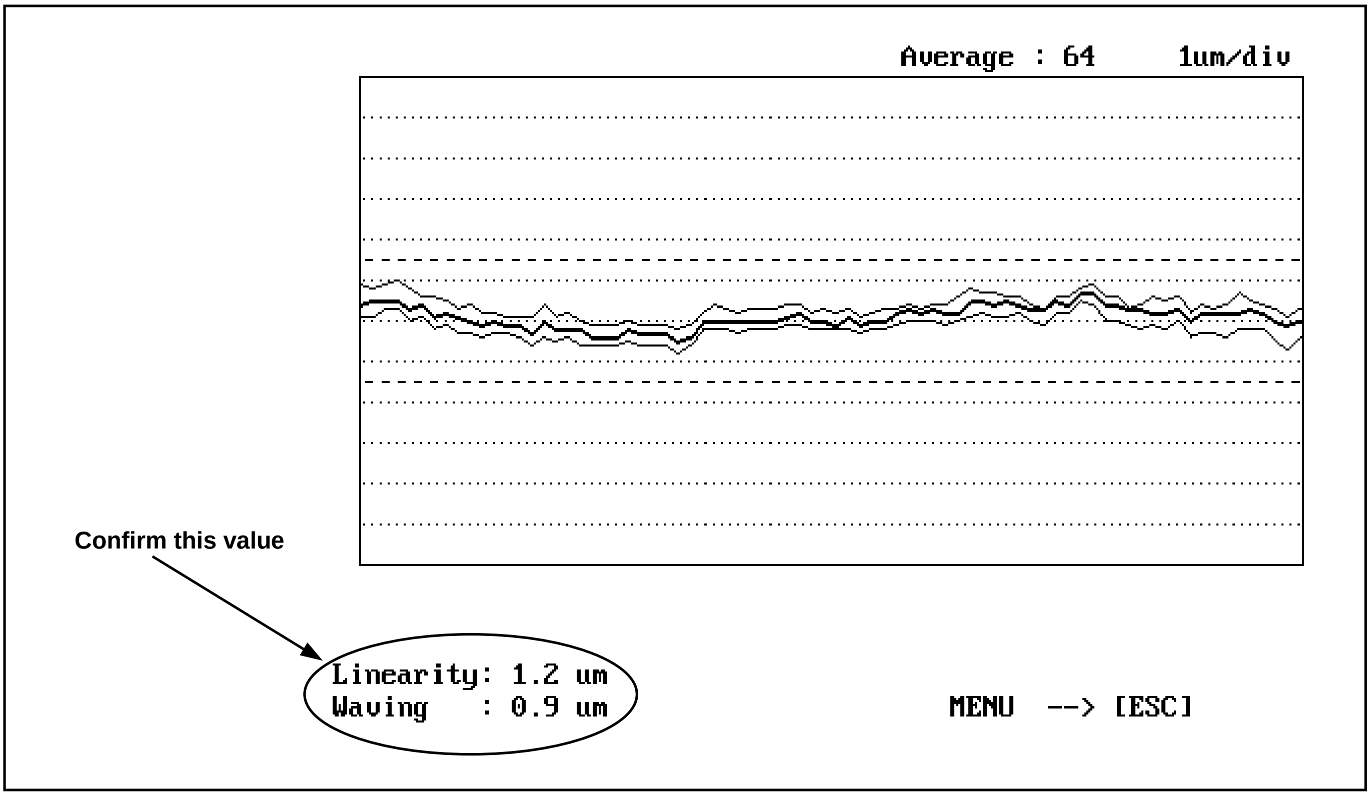
Adjust linearity into this area

POINT :
The part of left side of waveform (entrance side) is adjusted by height of S1 post and the part of right side of waveform (exit side) is adjusted by height of T1 post.
Lower part of above waveform of figure displays lead of Cylinder.
When the post driver is removed from upper part of post, linearity waveform may be changed.
After finishing this adjustment, eject the tape and insert the tape again to confirm the shape of linearity waveform isn’t changed.

7. After finishing the Linearity Adjustment, measure the numerical value of linearity and waving.

Waving Measurement Procedures

1. Press “SPACE” key to perform the Peak Hold in 30 seconds when linearity is displayed.
2. After finishing the Peak Hold, press “SHIFT” and “ } ” key simultaneously on the Key Board, then the numerical values of “Linearity” and “Waving” is displayed on left lower portion of screen. And confirm the numerical values are in the specification. Also confirm the waving is same level from entrance side to exit side. If the “Linearity” and “Waving” are out of specification and also it caused by insufficient limit of entrance or exit side of envelope, adjust height of S1 and T1 post.
3. After this measurement is finished, press the ESC key to return to the main menu.



Average : 64 1um/div

Confirm this value

Linearity: 1.2 um
Waving : 0.9 um

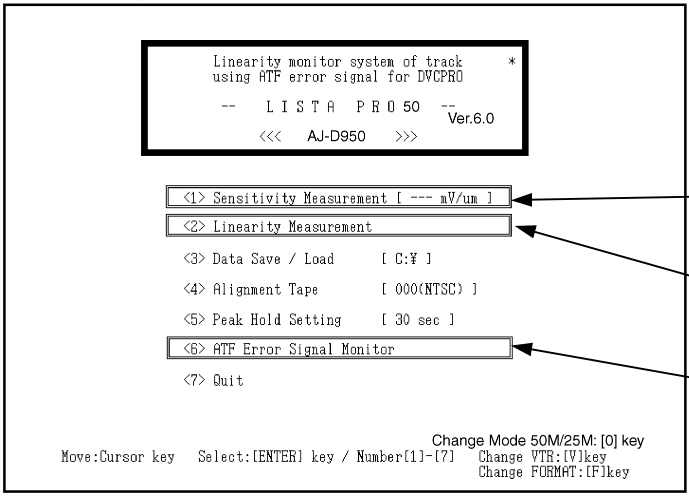
Information : How to save the LISTA Data
Linearity waveform data, measurement value and waving value can be saved as one file data to PC.

1. Basically this operation should be performed after linearity and waving measurement is finished.
2. Select the item “<3> Data Save/Load” on the LISTA main menu, and select the item “<1> Save”.
3. The linearity waveform as Peak Hold is displayed on the screen, and message “File Name?” appears on the screen. Then enter the File Name less than 8 letters. Nextly enter the Serial No. and press enter, then message “Comment?” appears on the screen, then enter the Comment less than 20 letters. As comment, enter the Model Number, Head Rotation Hours etc to use them for management of each VTR’s linearity data.
4. After completion of saving, select the item “<2> Load” of the item “<3> Data Save/Load”, then the saved File Name appears on the screen. And select previously saved file to confirm the waveform and numerical value is displayed correctly. By pressing “SHIFT” and “ } ” key simultaneously on the Key Board, the numerical values of “Linearity” and “Waving” is displayed on left lower portion of screen.

3-34. PB Head LISTA Sensitivity Adjustment and Sensitivity Detection (25M Mode)

SPEC.	Sensitivity 100±10 (mV/µm)	
MODE	SERVO Adjustment Menu “A17 : PBL GAIN 25”	
TEST POINT	① ATF (PB-L)	TP5701 RF (F8) (not TP6701 (R/P-L ATF))
	② H SW (PB-L)	TP232 SERVO (F7)
	③ GND	TG102
ADJUSTMENT	SERVO Adjustment Menu: “A17 : PBL GAIN 25”	
TAPE	NTSC: VFM3581KM or VFM3581KL(LISTA) (PAL: VFM3681KM or VFM3681KL(LISTA))	

1. Open the Service Menu and select “A17: PBL GAIN 25” in the “SERVO ADJUST” menu. Set the Lista software in 25M mode. 25M and 50M mode can be changed by “0” key.
2. Playback a LISTA alignment tape (VFM3581KM or VFM3581KL).
3. Select the LISTA Main Menu “(6) ATF Error Signal Monitor” so that the screen of <ATF Error Signal monitor> appears. Then press Enter to start the software.
4. When the picture is appeared as shown in figure 3-34-3, adjust ATF Gain (A17: PBL GAIN 25) so that the “Sens. Value:” is in the Specification.
5. After finishing the Adjustment, press ESC key to return the main menu.
6. Select the Lista Main Menu “(1) Sensitivity Measurement” so that the screen of <ATF Error Signal monitor> appears (refer to 3-34-2).
7. Playback a Lista alignment tape and press “ENTER” to start the Sensitivity measurement.
8. Confirm that the sensitivity value is within the specification. (refer to figure 3-34-3).
9. If it is out of specification, return to item 3.



```
Linearity monitor system of track          *
using ATF error signal for DVCPRO

--   L I S T A   P R O 50   --
                              Ver.6.0
<<<   AJ-D950   >>>

<1> Sensitivity Measurement [ --- mV/um ]
<2> Linearity Measurement
<3> Data Save / Load       [ C:¥ ]
<4> Alignment Tape         [ 000(NTSC) ]
<5> Peak Hold Setting      [ 30 sec ]
<6> ATF Error Signal Monitor
<7> Quit

                                          Change Mode 50M/25M: [0] key
Move:Cursor key   Select:[ENTER] key / Number[1]-[7]   Change VTR:[V]key
                                                        Change FORMAT:[F]key
```

Select for sensitivity detection

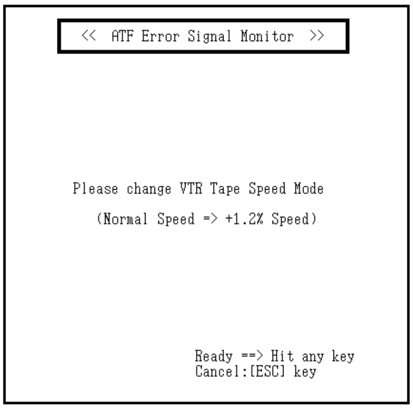
Select for Linearity adjustment

Select for sensitivity adjustment

Figure 3-34-1

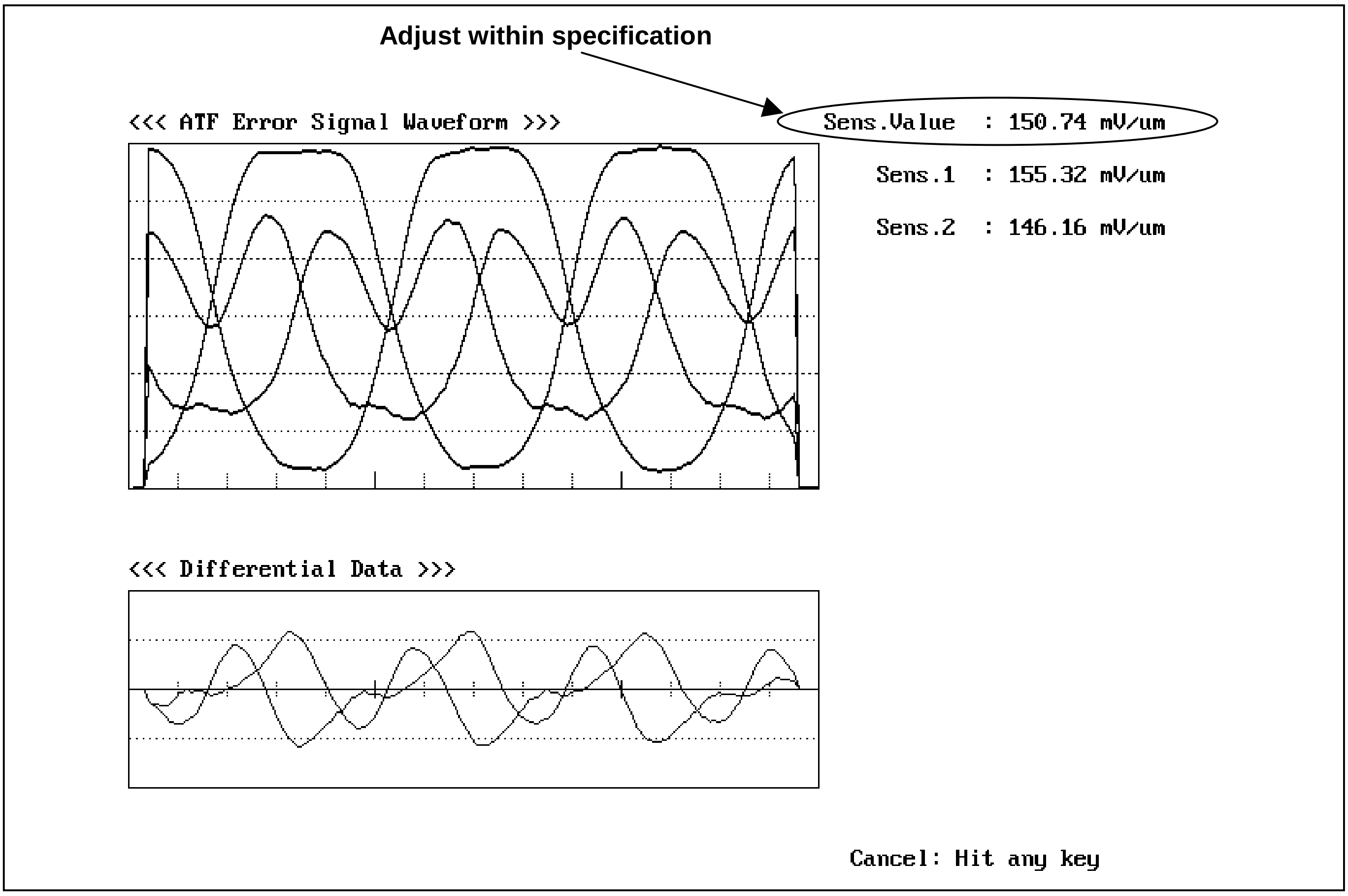
⇩

In case “ATF Error Signal Monitor”
or “sensitivity Measurement” is selected.



```
<< ATF Error Signal Monitor >>

Please change VTR Tape Speed Mode
  (Normal Speed => +1.2% Speed)

                  Ready ==> Hit any key
                  Cancel:[ESC] key
```

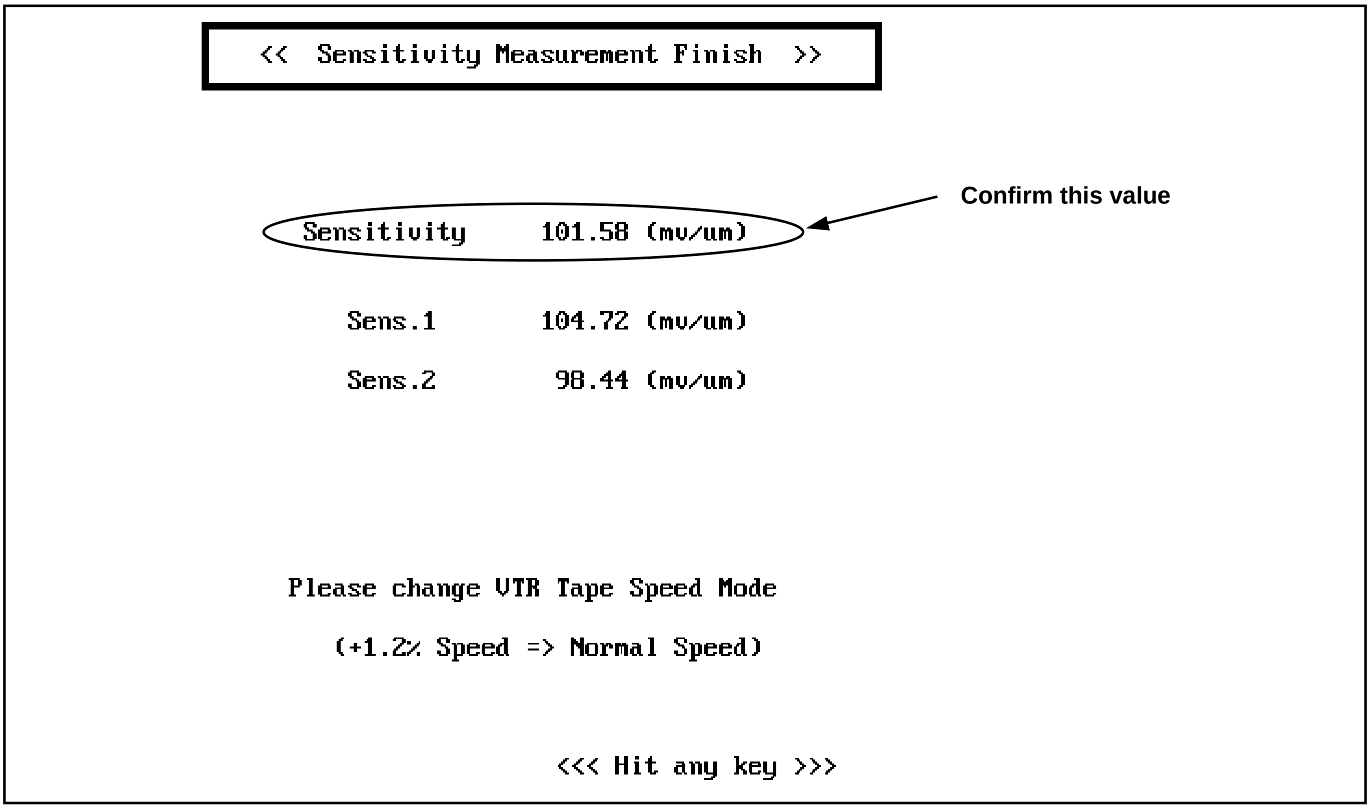
Figure 3-34-2



Adjust within specification

```
<<< ATF Error Signal Waveform >>>        Sens.Value  : 150.74 mV/um

                                            Sens.1  : 155.32 mV/um

                                            Sens.2  : 146.16 mV/um


<<< Differential Data >>>


                                         Cancel: Hit any key
```

Figure 3-34-3



```
<<  Sensitivity Measurement Finish  >>


  Sensitivity     101.58 (mv/um)

     Sens.1       104.72 (mv/um)

     Sens.2        98.44 (mv/um)



 Please change VTR Tape Speed Mode

   (+1.2% Speed => Normal Speed)


                 <<< Hit any key >>>
```

Confirm this value

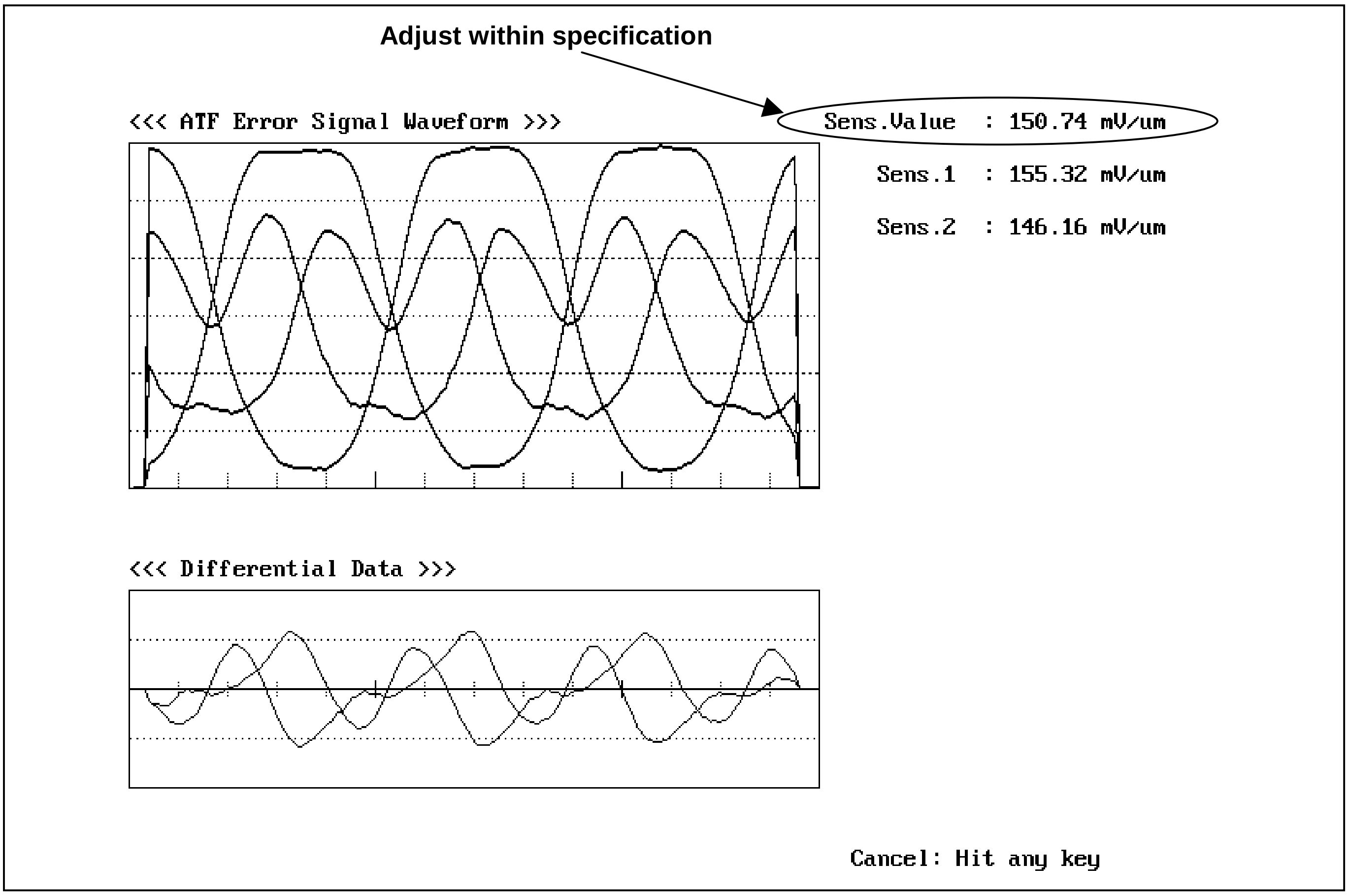
Figure 3-34-4

3-35. RP Head Sensitivity Adjustment and Sensitivity Detection (50M Mode)

SPEC.	Sensitivity 100±10 (mV/µm)	
TEST POINT	① ATF (R/P-L)	TP6701 RF (F8) (not TP5701 (PB-L ATF))
	② H SW (R/P-L)	TP233 SERVO (F7)
	③ GND	TG102 RF (F8)
VTR MODE	PLAYBACK	
ADJUSTMENT	SERVO Adjustment Menu: "A12: RPL GAIN 50"	
TAPE	NTSC: VFM3581KM or VFM3581KL(LISTA) (PAL: VFM3681KM or VFM3681KL(LISTA))	

Set the LISTA software in 50M Mode. 25M and 50M mode can be changed "0" key.

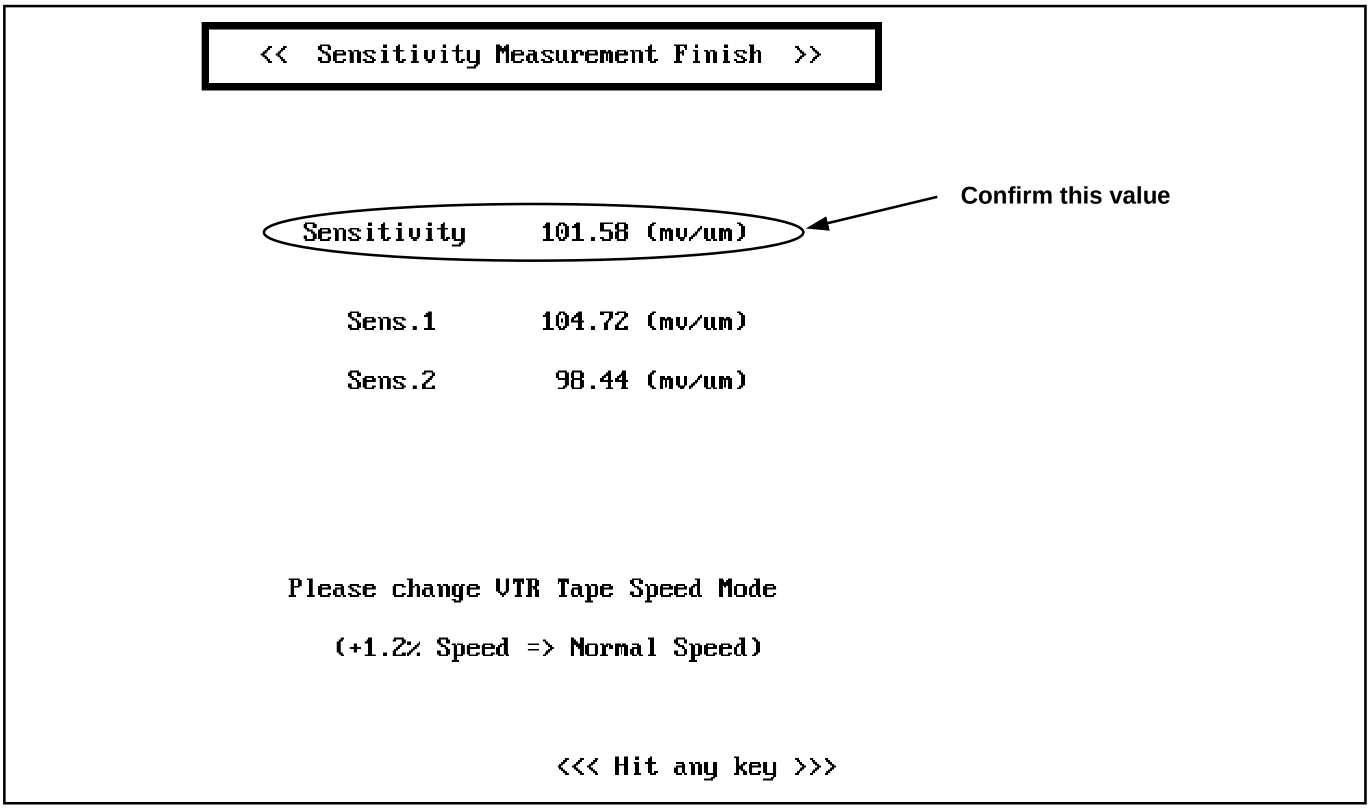
1. Set the VTR in Service Mode to open the servo menu and select the item of "A12: RPL GAIN 50" in the "SERVO ADJUST" menu.
2. Playback a LISTA alignment tape (VFM3581KM or VFM3581KL).
3. Select the LISTA (6) ATF Error Signal Monitor so that the screen of <ATF Error Signal monitor> appears. Then press Enter to start the software.
4. When the picture is appeared as shown in figure 3-35-1, adjust ATF Gain (A12: RPL GAIN 50) so that the "Sens. Value:" is in the Specification. To return the main menu, press ESC key.
5. Select Lista Main Menu "(1) Sensitivity Measurement" so that the screen of <ATF Error Signal monitor> appears.
6. Playback a Lista alignment tape.
7. Press "Enter" to start the Sensitivity measurement.
8. Confirm that the sensitivity value is within the specification on the <Sensitivity Measurement Finish> screen. (refer to figure 3-35-2).
9. If it is out of specification, return to item 3.



Adjust within specification

```
<<< ATF Error Signal Waveform >>>          Sens.Value  : 150.74 mV/um

                                           Sens.1  : 155.32 mV/um

                                           Sens.2  : 146.16 mV/um

<<< Differential Data >>>

                                           Cancel: Hit any key
```

Figure 3-35-1



```
<<  Sensitivity Measurement Finish  >>

Sensitivity     101.58 (mv/um)

   Sens.1       104.72 (mv/um)

   Sens.2        98.44 (mv/um)

Please change VTR Tape Speed Mode

   (+1.2% Speed => Normal Speed)

                <<< Hit any key >>>
```

Confirm this value

Figure 3-35-2

3-36. LISTA Linearity Adjustment and Waving Measurement (50M mode)

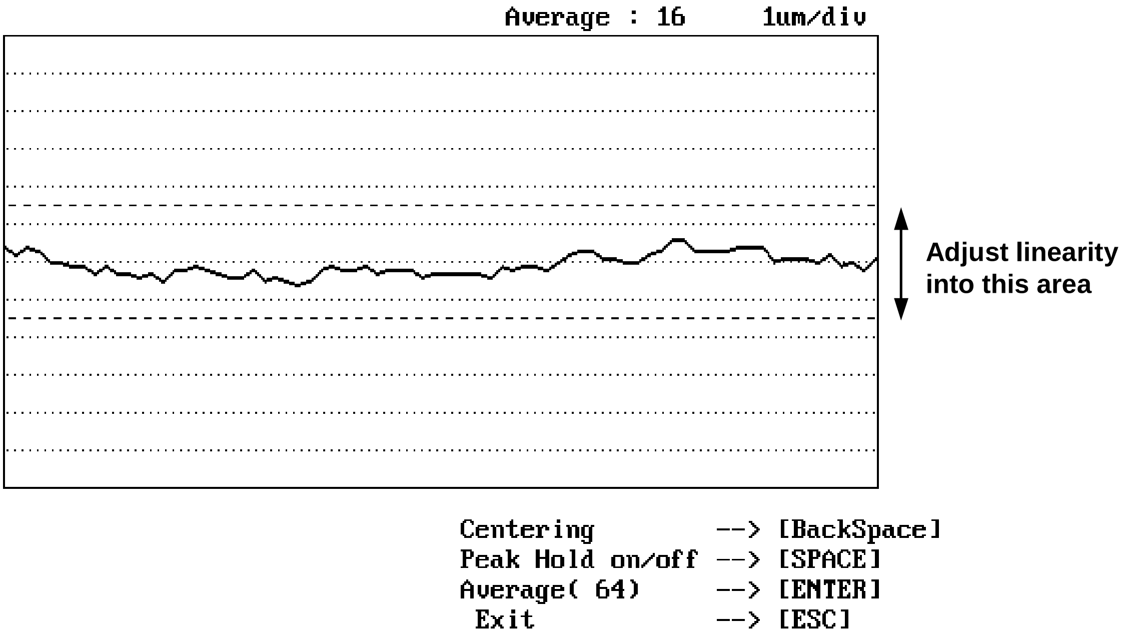
SPEC.	Linearity : less than 3µm, Waving : less than 1.5µm	
TEST POINT	① ATF (R/P-L)	TP6701 RF (F8) (not TP5701 (PB-L ATF))
	② H SW (R/P-L)	TP233 SERVO (F7)
	③ GND	TG102 RF (F8)
VTR MODE	PLAYBACK	
ADJ. MODE	SERVO ADJUSTMENT MENU: “A13: RPL LIN 50”	
ADJUST	S1 and T1 Post Height	
TOOL	VFK1149 or VFK1149A (Post Driver)	
TAPE	NTSC: VFM3581KM or VFM3581KL(LISTA) (PAL: VFM3681KM or VFM3681KL(LISTA))	

Linearity Adjustment Procedures

1. Connect the each clips of LISTA cable to test points.
2. Set the Lista software in 50M mode. 25M and 50M mode can be changed by “0” key.
3. Set the VTR in Servo menu and select the item of “A13: RPL LIN 50”.
4. Playback the LISTA Alignment Tape.
5. Select the item “<2> Linearity Measurement” on the LISTA main menu, and then linearity waveform appears on the screen.
6. When the waveform as shown below is displayed on the screen, press the “BS (Back Space)” key to move the waveform at the center of the scale on screen. Adjust S1 and T1 post height by using the post driver so that the linearity waveform becomes as flat as possible, and it should be within the specification.

♦ Adjust linearity, to have waveform in between the red dot lines on the screen.

7. After finishing the Linearity Adjustment, measure the numerical value of linearity and waving.



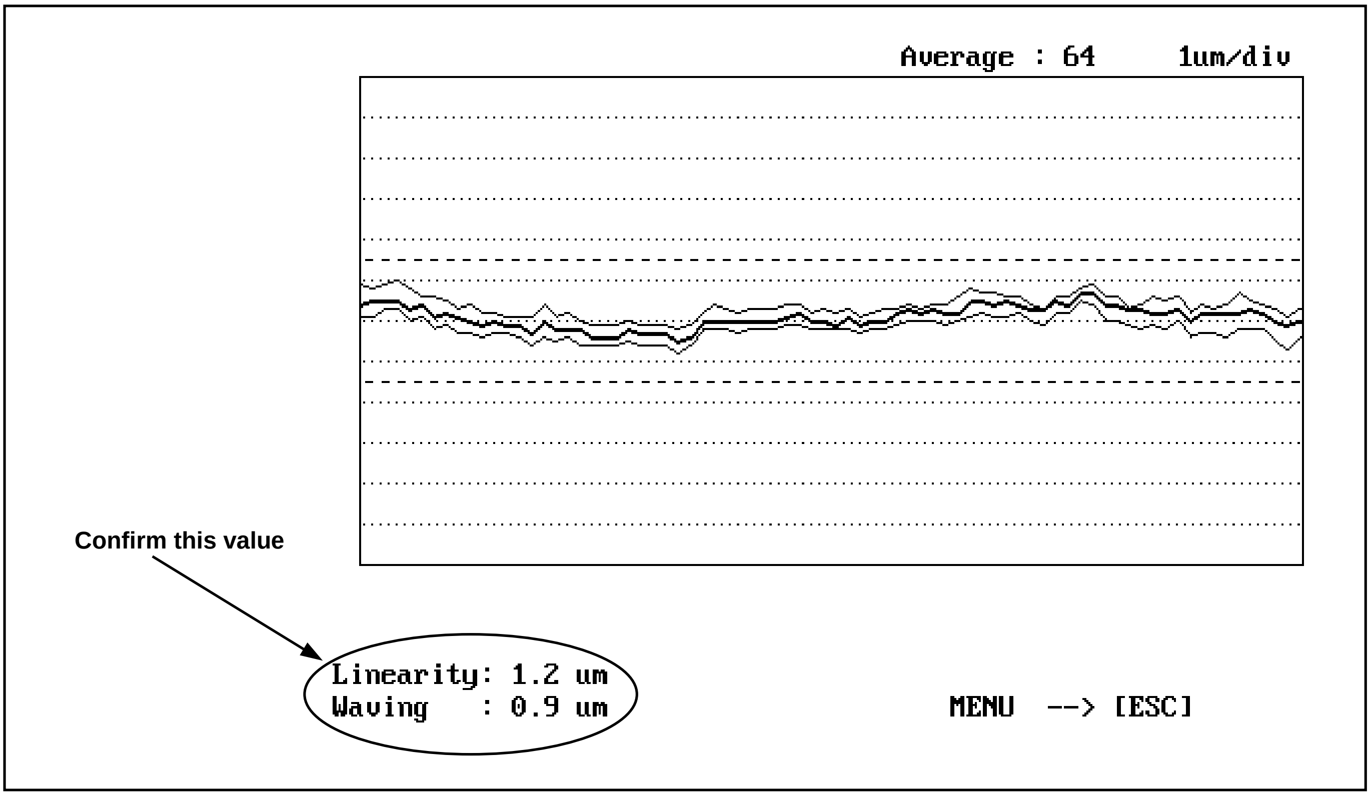
```
Average : 16     1um/div

Centering        --> [BackSpace]
Peak Hold on/off --> [SPACE]
Average( 64)     --> [ENTER]
 Exit            --> [ESC]
```

Adjust linearity into this area

POINT :
The part of left side of waveform (entrance side) is adjusted by height of S1 post and the part of right side of waveform (exit side) is adjusted by height of T1 post.
Lower part of above waveform of figure displays lead of Cylinder.
When the post driver is removed from upper part of post, linearity waveform may be changed.
After finishing this adjustment, eject the tape and insert the tape again to confirm the shape of linearity waveform isn’t changed.

Waving Measurement Procedures

1. Press “SPACE” key to perform the Peak Hold in 30 seconds when linearity is displayed.
2. After finishing the Peak Hold, press “SHIFT” and “ } ” key simultaneously on the Key Board, then the numerical values of “Linearity” and “Waving” is displayed on left lower portion of screen. And confirm the numerical values are in the specification. Also confirm the waving is same level from entrance side to exit side. If the “Linearity” and “Waving” are out of specification and also it caused by insufficient limit of entrance or exit side of envelope, adjust height of S1 and T1 post.
3. After this measurement is finished, press the ESC key to return to the main menu.



Confirm this value

```
Linearity: 1.2 um
Waving   : 0.9 um
```

Information : How to save the LISTA Data

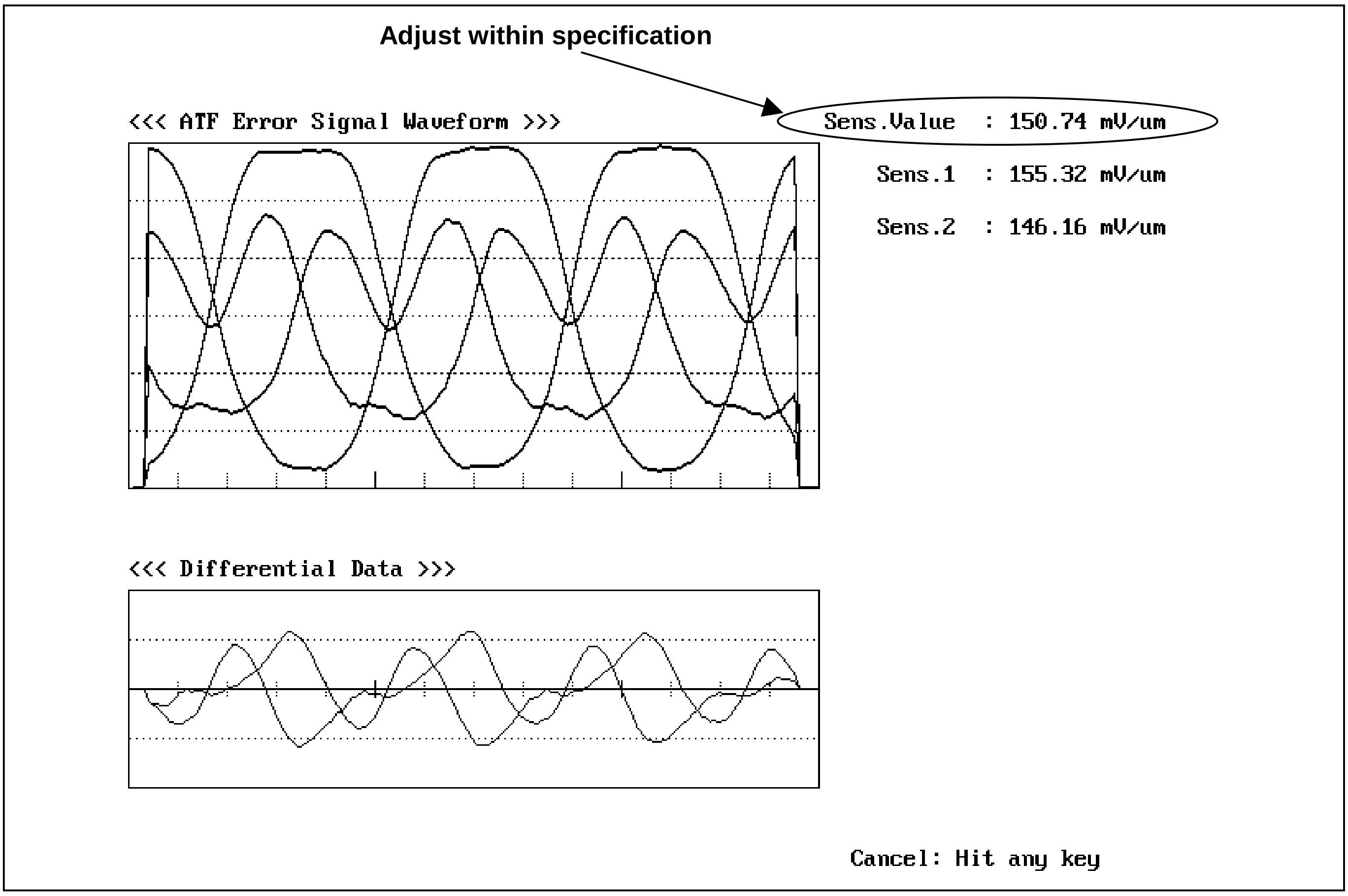
Linearity waveform data, measurement value and waving value can be saved as one file data to PC.

1. Basically this operation should be performed after linearity and waving measurement is finished.
2. Select the item “<3> Data Save/Load” on the LISTA main menu, and select the item “<1> Save”.
3. The linearity waveform as Peak Hold is displayed on the screen, and message “File Name?” appears on the screen. Then enter the File Name less than 8 letters. Nextly enter the Serial No. and press enter, then message “Comment?” appears on the screen, then enter the Comment less than 20 letters. As comment, enter the Model Number, Head Rotation Hours etc to use them for management of each VTR’s linearity data.
4. After completion of saving, select the item “<2> Load” of the item “<3> Data Save/Load”, then the saved File Name appears on the screen. And select previously saved file to confirm the waveform and numerical value is displayed correctly. By pressing “SHIFT” and “ } ” key simultaneously on the Key Board, the numerical values of “Linearity” and “Waving” is displayed on left lower portion of screen.

3-37. PB Head LISTA Sensitivity Adjustment and Sensitivity Detection (50M Mode)

SPEC.	Sensitivity 100±10 (mV/µm)	
MODE	SERVO Adjustment Menu “A17 : PBL GAIN 25”	
TEST POINT	① ATF (PB-L)	TP5701 RF (F8) (not TP6701 (R/P-L ATF))
	② H SW (PB-L)	TP232 SERVO (F7)
	③ GND	TG102
ADJUSTMENT	SERVO Adjustment Menu: “A16 : PBL GAIN 50”	
TAPE	NTSC: VFM3581KM or VFM3581KL(LISTA) (PAL: VFM3681KM or VFM3681KL(LISTA))	

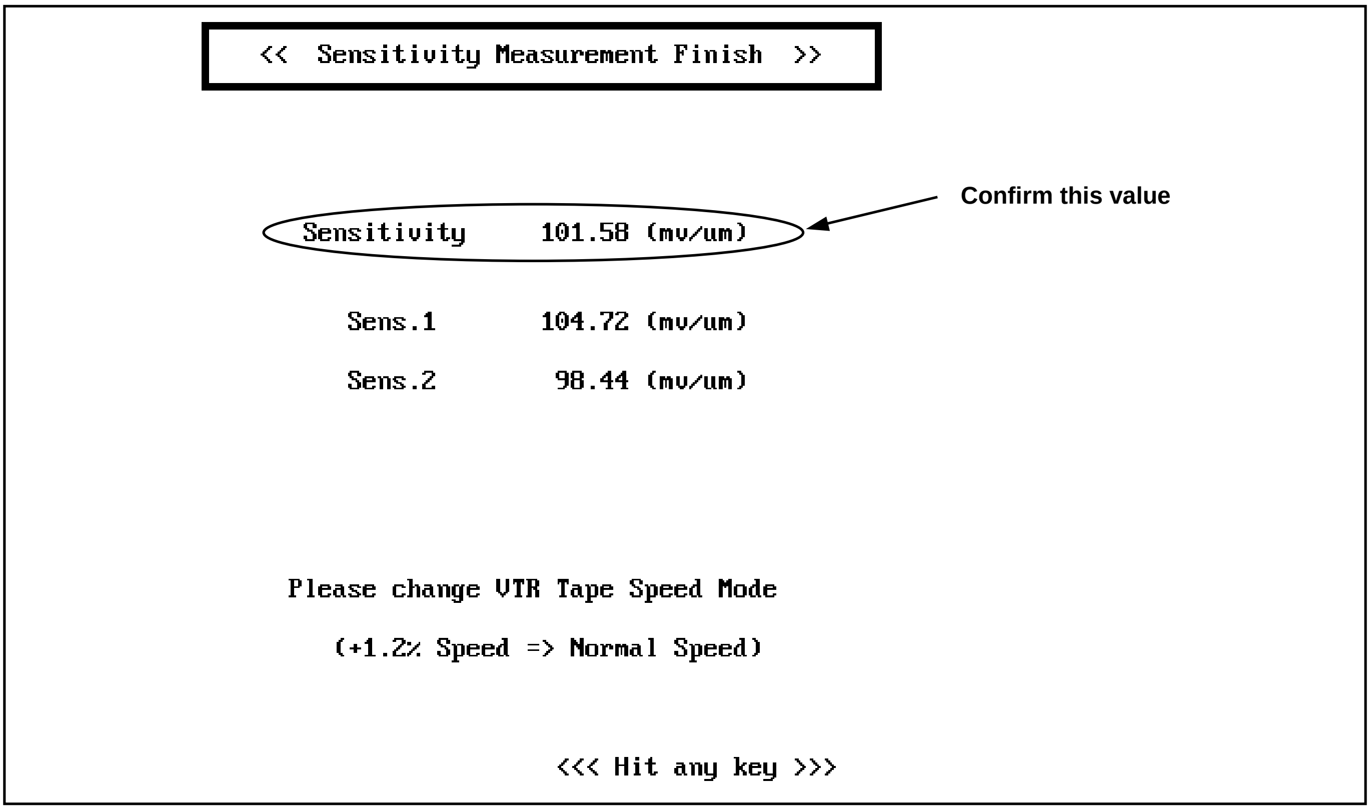
1. Open the Service Menu and select “A16: PBL GAIN 50” in the “SERVO ADJUST” menu. Set the Lista software in 50M mode.
2. Playback a LISTA alignment tape (VFM3581KM or VFM3581KL).
3. Select the LISTA Main Menu “(6) ATF Error Signal Monitor” so that the screen of <ATF Error Signal monitor> appears. Then press Enter to start the software.
4. When the picture is appeared as shown in figure 3-37-1, adjust ATF Gain (A16: PBL GAIN 50) so that the “Sens. Value:” is in the Specification.
5. After finishing the Adjustment, press ESC key to return the main menu.
6. Select the Lista Main Menu “(1) Sensitivity Measurement” so that the screen of <ATF Error Signal monitor> appears.
7. Playback a Lista alignment tape and press “ENTER” to start the Sensitivity measurement.
8. Confirm that the sensitivity value is within the specification. (refer to figure 3-37-2).
9. If it is out of specification, return to item 3.



Adjust within specification

```
<<< ATF Error Signal Waveform >>>          Sens.Value  : 150.74 mV/um

                                            Sens.1  : 155.32 mV/um

                                            Sens.2  : 146.16 mV/um

<<< Differential Data >>>

                                         Cancel: Hit any key
```

Figure 3-37-1



```
<<  Sensitivity Measurement Finish  >>


Sensitivity     101.58 (mv/um)

Sens.1          104.72 (mv/um)

Sens.2           98.44 (mv/um)



Please change VTR Tape Speed Mode

  (+1.2% Speed => Normal Speed)


                 <<< Hit any key >>>
```

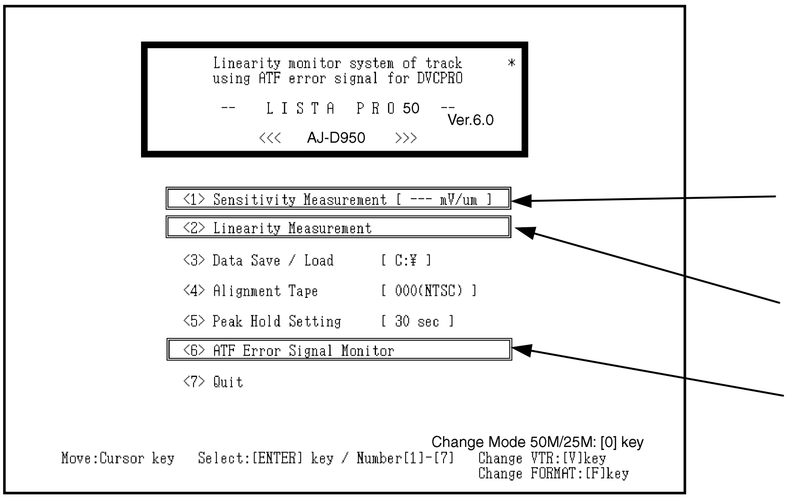
Confirm this value

Figure 3-37-2

3-38. RP HEAD (for DV) Lista Sensitivity Adjustment

SPEC.	Sensitivity: 130±30 (mV/µm)	
VTR MODE	PLAYBACK	
TEST POINT	① ATF (R/P-R)	TP6801 RF (F8)
	② H SW (R/P-R)	TP6802 RF (F8)
	③ GND	TG102 RF (F8)
ADJUSTMENT	SERVO Adjustment Menu: "A18: RPR GAIN DV"	
TAPE	VFM3000EDS	

1. Set the LISTA software in 25M Mode. 25M and 50M mode can be changed by "0" key on the key board.
2. Select the item "A18: RPR GAIN DV" in the "SERVO ADJUST" menu.
3. Playback a DV LISTA alignment tape (VFM3000EDS).
4. Select the LISTA (6) ATF Error Signal Monitor so that the screen of <ATF Error Signal monitor> appears. (refer to figure 3-38-2) Then press Enter to start the software.



```
Linearity monitor system of track     *
using ATF error signal for DVCPRO

--   L I S T A   P R O 50   --
                             Ver.6.0
     <<<     AJ-D950     >>>

<1> Sensitivity Measurement [ --- mV/um ]
<2> Linearity Measurement
<3> Data Save / Load      [ C:¥ ]
<4> Alignment Tape        [ 000(NTSC) ]
<5> Peak Hold Setting     [ 30 sec ]
<6> ATF Error Signal Monitor
<7> Quit

                                        Change Mode 50M/25M: [0] key
Move:Cursor key   Select:[ENTER] key / Number[1]-[7]   Change VTR:[V]key
                                                       Change FORMAT:[F]key
```

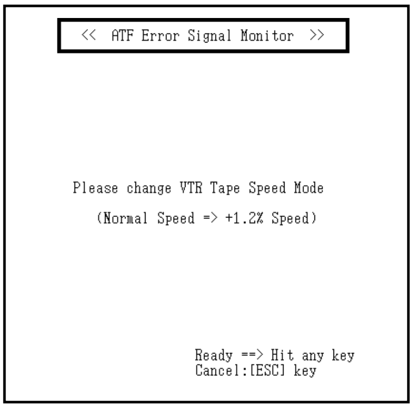
Select for sensitivity detection

Select for Linearity adjustment

Select for sensitivity adjustment

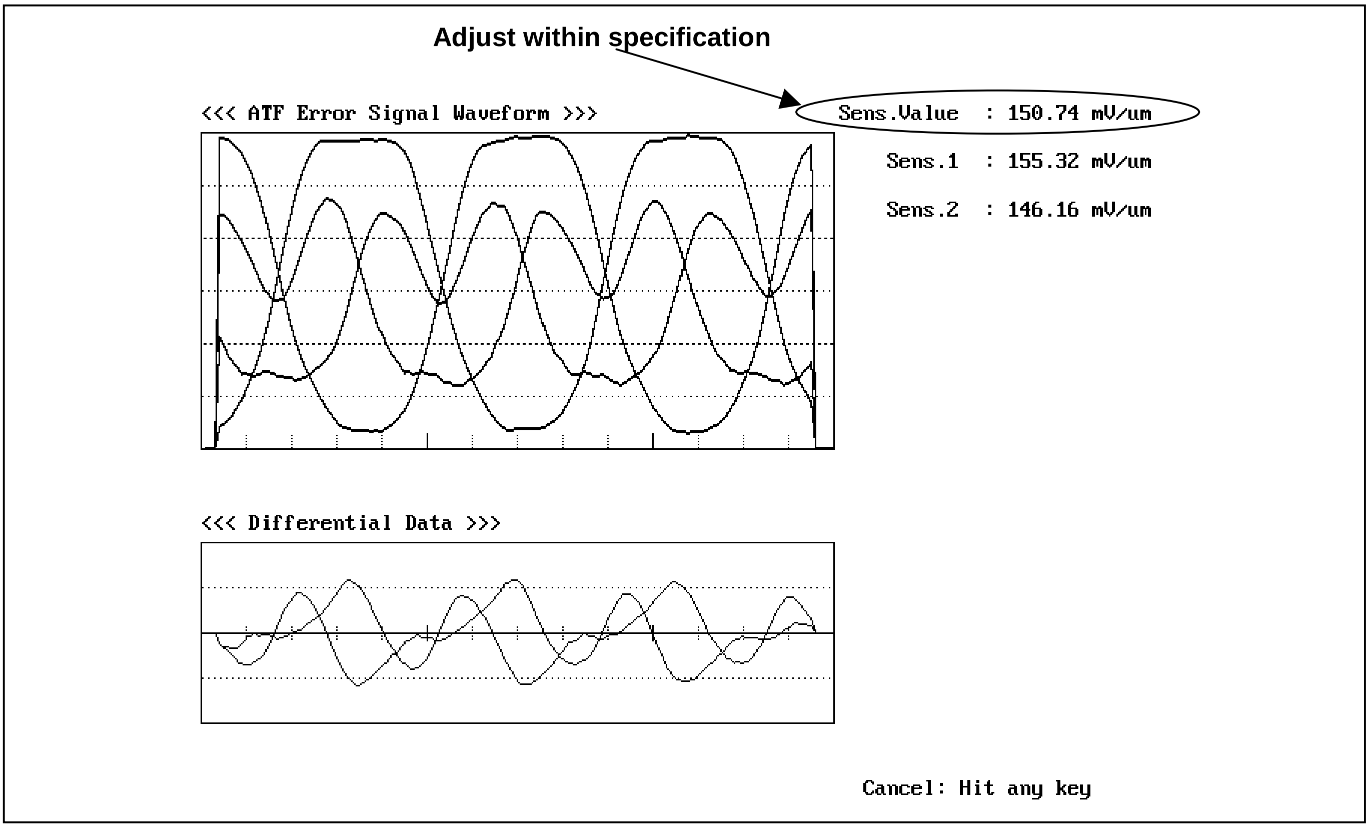
Figure 3-38-1

In case "ATF Error Signal Monitor" or "sensitivity Measurement" is selected.



```
<<  ATF Error Signal Monitor  >>

Please change VTR Tape Speed Mode
  (Normal Speed => +1.2% Speed)

                 Ready ==> Hit any key
                 Cancel:[ESC] key
```

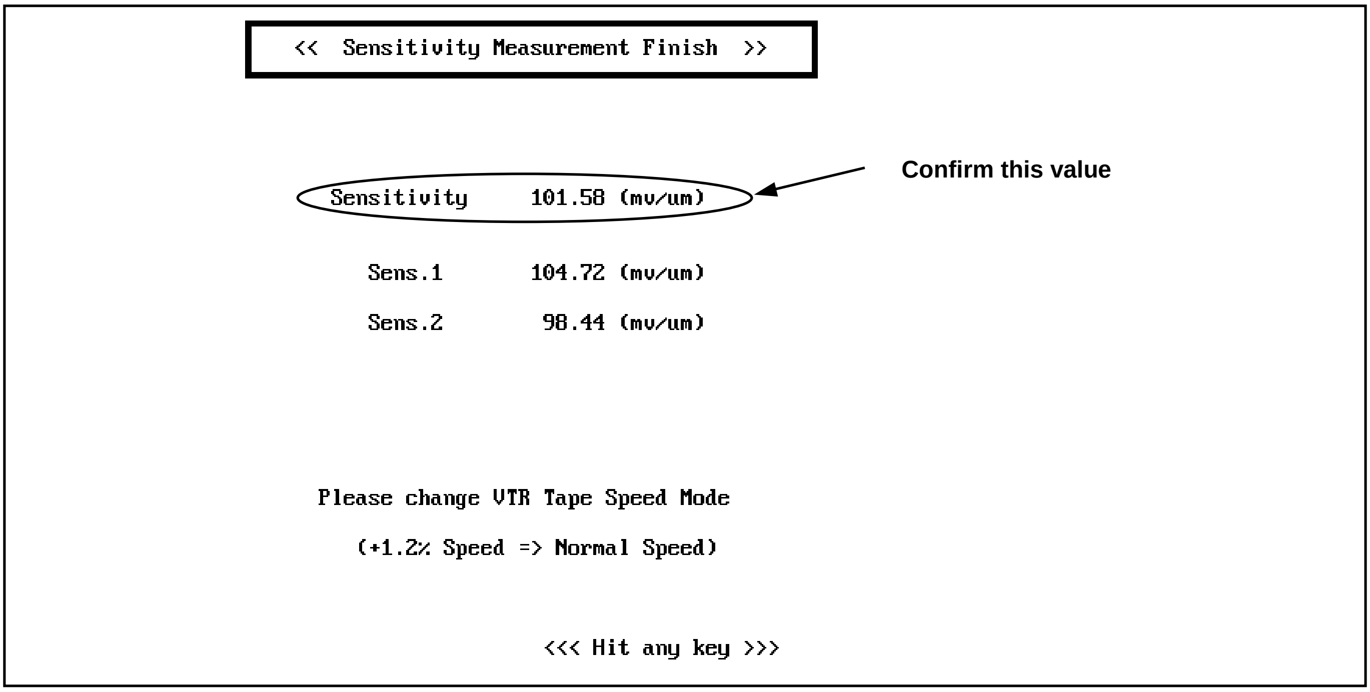
Figure 3-38-2



Adjust within specification

```
<<< ATF Error Signal Waveform >>>          Sens.Value  : 150.74 mV/um

                                           Sens.1   : 155.32 mV/um

                                           Sens.2   : 146.16 mV/um

<<< Differential Data >>>

                                         Cancel: Hit any key
```

Figure 3-38-3



```
<<  Sensitivity Measurement Finish  >>

Sensitivity     101.58 (mv/um)

   Sens.1       104.72 (mv/um)

   Sens.2        98.44 (mv/um)

Please change VTR Tape Speed Mode

   (+1.2% Speed => Normal Speed)

                  <<< Hit any key >>>
```

Confirm this value

Figure 3-38-4

5. When the picture is appeared as shown in figure 3-38-3, adjust ATF Gain (A18: RPR GAIN DV) so that the “Sens. Value:” meets the specification.
6. After finishing the adjustment, press ESC key to return the Main Menu.
7. Select the Lista Main Menu “(1) Sensitivity Measurement” so that the screen of <ATF Error Signal monitor> appears (refer to 3-38-2).
8. Playback a DV Lista alignment tape and press “Enter” to start the Sensitivity measurement.
9. Confirm that the sensitivity value is within the specification (refer to figure 3-38-4).
10. If it is out of specification, return to item 3.

3-39. Self-REC/PLAY Envelope Waveform Confirmation

SPEC.	All of the head output are within the specification as shown below. Confirm in the 50M mode. · When using the M Cassette (66 min.) or L Cassette (126 min.) V1/Vmax, V3/Vmax ≥ 0.7 V2/Vmax ≥ 0.8 · When using the Long Time L Cassette (thin tape) V1/Vmax, V2/Vmax, V3/Vmax ≥ 0.7 V4/Vmax ≥ 0.5
TEST POINT	R/P – L – ENV RF (F8) : TP6301 EQ0 RF TRIGGER: R/P-L-HSW TP233: SERVO (F7) R/P – R – ENV RF (F8) : TP6501 EQ1 RF PB – L – ENV RF (F8) : TP5301 EQ2 RF PB – R – ENV RF (F8) : TP5501 EQ3 RF
M. EQ.	Oscilloscope
TAPE	• M Cassette (66 min.) or L Cassette (126 min.) • Long time L Cassette (AJ-5P92LP)

<Normal Tape : M Cassette (66 min.) or L Cassette (126 min.)>

1. Input the color bar signal to VTR and record it.
2. Playback the just recorded portion, and confirm the envelope output is within the specification. (refer to Figure 3-39-1)

<Long time L Cassette (this tape) : AJ-5P92LP>

3. Input the color bar signal to VTR and record it.
4. Playback the just recorded portion and confirm the envelope output is within the specification. (refer to figure 3-39-2).

5. If it is out of specification, perform the “ENV Waveform Adjustment” and “LISTA Adjustment” again.

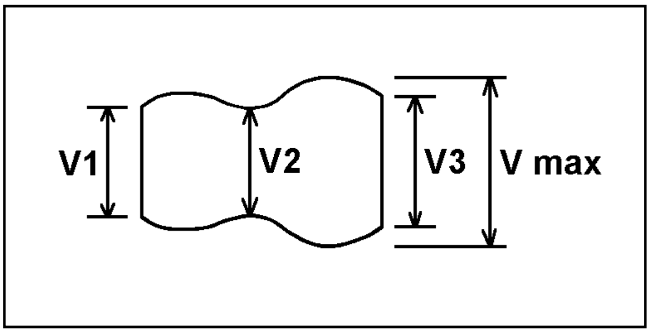


Figure 3-39-1 Envelope Waveform

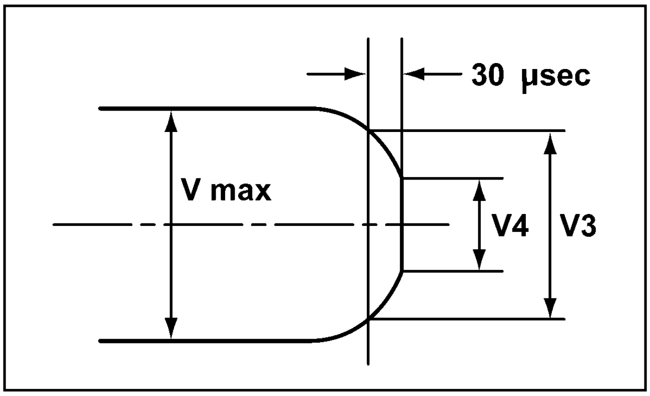


Figure 3-39-2 Exit side of Envelope Waveform
(For Long play cassette)

4. NO TAPE LOADING METHOD

[Procedure]

Selected Menu (on Service Menu)	Selected Item	Loading Procedure	Unloading Procedure
SERVO ADJUST	A09: TENSION	Rotate JOG Dial clockwise pressing SEARCH button.	Rotate JOG Dial counterclockwise pressing SEARCH button.

5. MAJOR MECHANICAL PARTS REPLACEMENT & ADJUSTMENT PROCEDURES

When mechanical parts are replaced, pay attention to the following notes.

1. Always turn power off before replacing any parts.
2. If any adjustment is required after replacing parts, perform the required adjustment.
3. Use proper tools and fixtures.
4. Be sure to clean the parts after replacement, and also to replace the mechanical parts, follow the replacement procedure.

5-1. Cylinder Unit Replacement

(Removal)

1. Remove the T1 Guide and Cleaning Arm Unit. (Please refer to item "5-2. Cleaning Arm Unit Replacement")

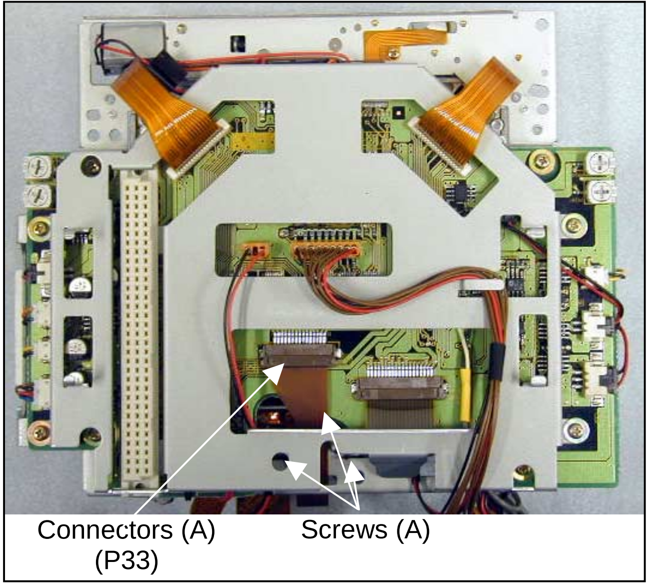


Figure 5-1-1

2. Unscrew the screw (B) which fix the cable (B) as shown in Figure 5-1-2.
3. Remove the flexible cable which is connected to P33 on the MECH I/F as shown in 5-1-1.
4. Unscrew the 3 screws which has spring from the Cylinder Unit as shown as Figure 5-1-1, then remove the Cylinder Unit without touching any mechanical parts.

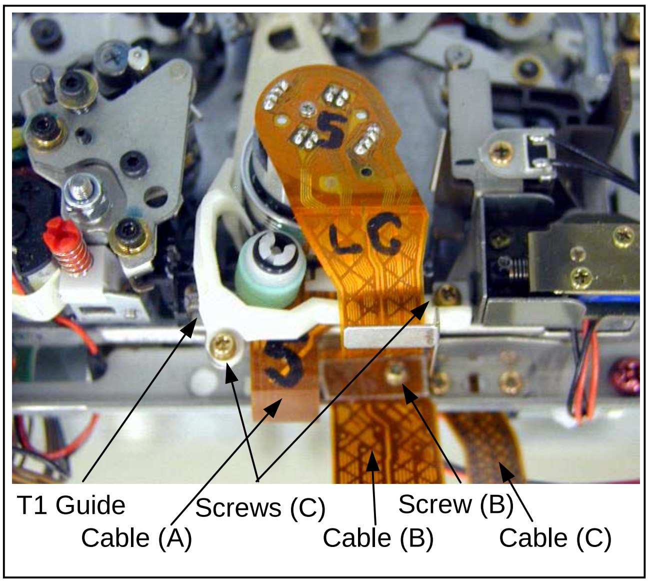


Figure 5-1-2

NOTE:
Don't touch the cylinder by finger directly, when pull out the Cylinder Unit.

(Installation)

1. Install the new Cylinder Unit according to the opposite procedures of removing.

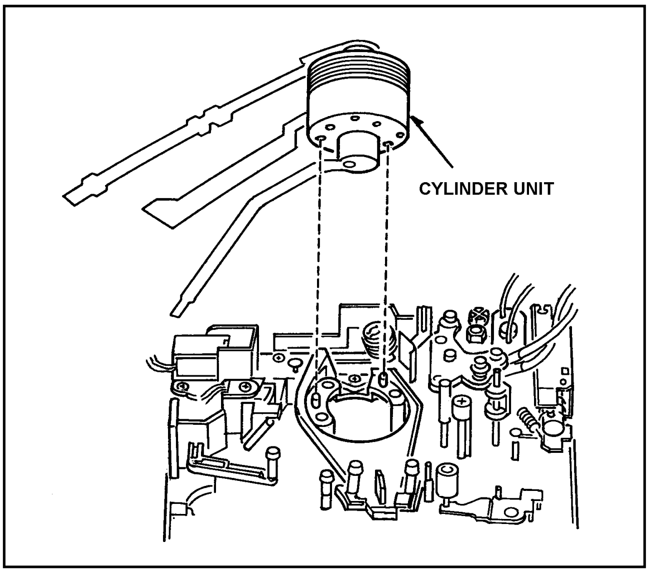


Figure 5-1-3

NOTE:
When installing the Cylinder Unit, the pin on Mech. Chassis should match with holes of Cylinder Unit as shown in Figure 5-1-3.

2. After installing the T1 Guide, T1 Guide Position Adjustment should be performed.
   (Please refer to item "5-2. Cleaning Arm Unit Replacement" and "5-3. T1 Guide Position Adjustment")

5-2. Cleaning Arm Unit Replacement

(Removal)

1. Unscrew the 2 screws (A) and remove the T1 Guide as shown in Figure 5-2-1.
2. Widen the tip of the cleaner arm, lift up the cleaning arm unit and remove the spring and washer.

(Installation)

1. Install the spring and washer.
2. Insert Cleaning Arm Unit temporary to T2 Arm Unit. Install the spring between Cleaner Base Plate and Cleaning Arm Unit, and insert Cleaner Arm Unit to T2 Arm Unit perfectly.
3. Confirm that the Cleaner Roller rotate when rotate the cylinder by hand pressing the core of the Cleaner Solenoid.
4. Install the T1 Guide.
5. After install the T1 Guide, please perform the item "5-3. T1 Guide Position Adjustment".

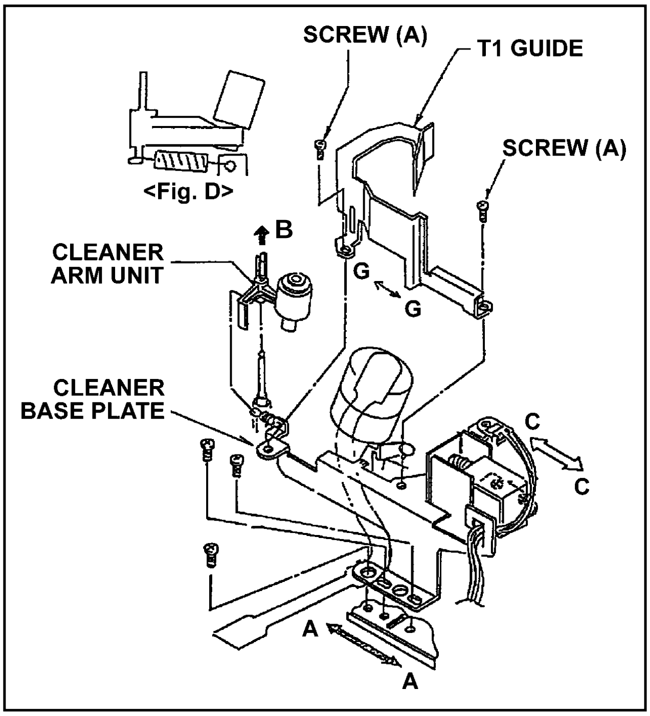


Figure 5-2-1

5-3. T1 Guide Position Adjustment

1. Place the unit to loading condition without the tape.
2. Observe the clearance (B) between T1 Guide and T1 post as shown in Figure 5-3-1, and make sure that it is within 0.2mm to 0.5mm.
3. If not, loosen the 2 screws (A) and adjust the position of the T1 Guide moves to direction of arrow (G ←→ G) so that the clearance (B) is within the specification. And tighten the 2 screws (A).

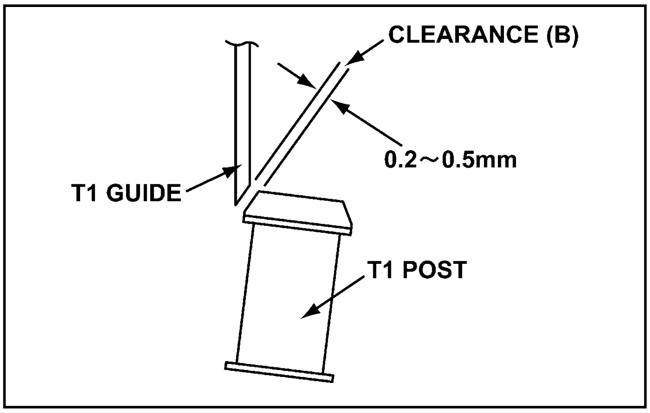
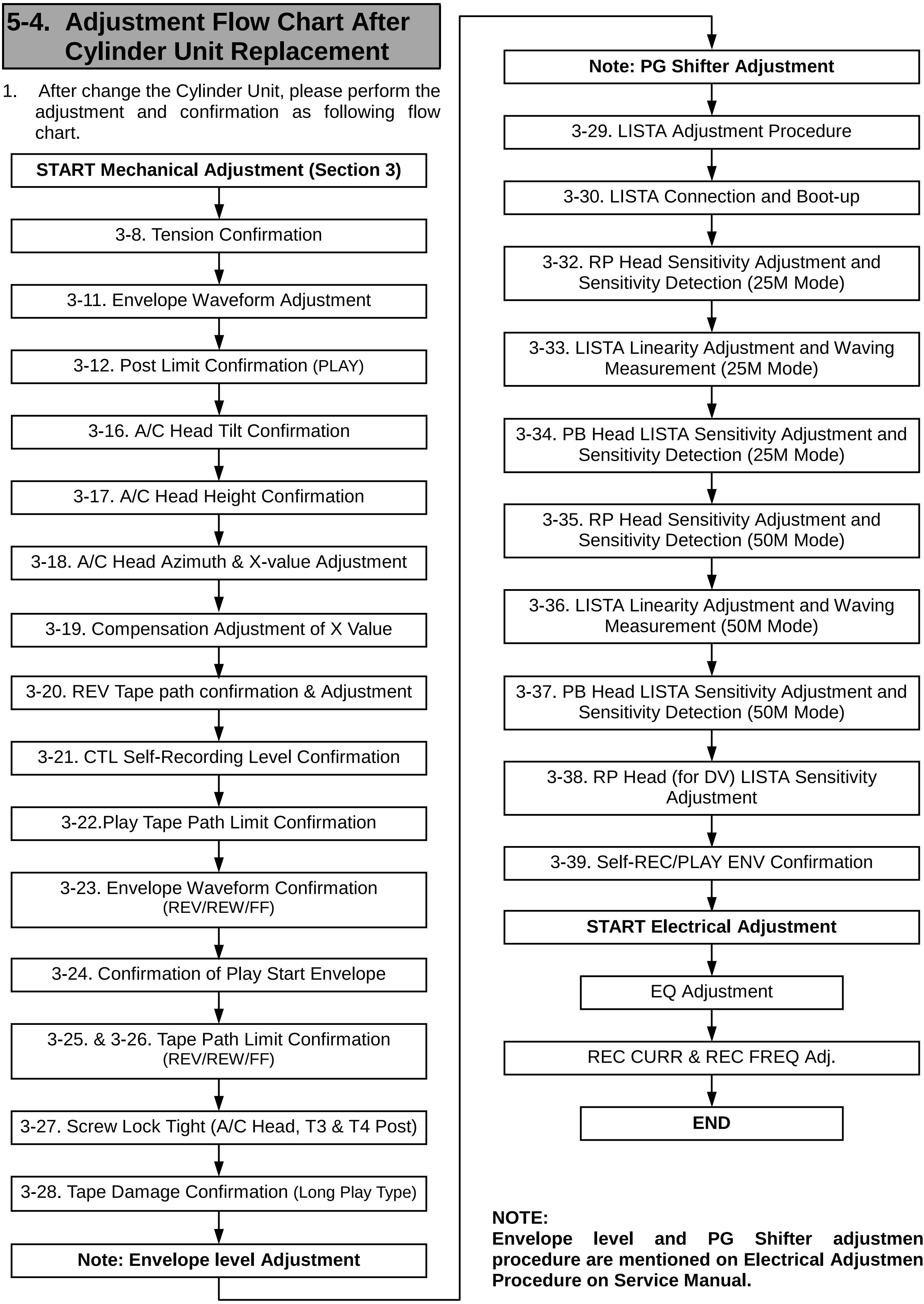


Figure 5-3-1

5-4. Adjustment Flow Chart After Cylinder Unit Replacement

1. After change the Cylinder Unit, please perform the adjustment and confirmation as following flow chart.


START Mechanical Adjustment (Section 3)
3-8. Tension Confirmation
3-11. Envelope Waveform Adjustment
3-12. Post Limit Confirmation (PLAY)
3-16. A/C Head Tilt Confirmation
3-17. A/C Head Height Confirmation
3-18. A/C Head Azimuth & X-value Adjustment
3-19. Compensation Adjustment of X Value
3-20. REV Tape path confirmation & Adjustment
3-21. CTL Self-Recording Level Confirmation
3-22.Play Tape Path Limit Confirmation
3-23. Envelope Waveform Confirmation (REV/REW/FF)
3-24. Confirmation of Play Start Envelope
3-25. & 3-26. Tape Path Limit Confirmation (REV/REW/FF)
3-27. Screw Lock Tight (A/C Head, T3 & T4 Post)
3-28. Tape Damage Confirmation (Long Play Type)
Note: Envelope level Adjustment
Note: PG Shifter Adjustment
3-29. LISTA Adjustment Procedure
3-30. LISTA Connection and Boot-up
3-32. RP Head Sensitivity Adjustment and Sensitivity Detection (25M Mode)
3-33. LISTA Linearity Adjustment and Waving Measurement (25M Mode)
3-34. PB Head LISTA Sensitivity Adjustment and Sensitivity Detection (25M Mode)
3-35. RP Head Sensitivity Adjustment and Sensitivity Detection (50M Mode)
3-36. LISTA Linearity Adjustment and Waving Measurement (50M Mode)
3-37. PB Head LISTA Sensitivity Adjustment and Sensitivity Detection (50M Mode)
3-38. RP Head (for DV) LISTA Sensitivity Adjustment
3-39. Self-REC/PLAY ENV Confirmation
START Electrical Adjustment
EQ Adjustment
REC CURR & REC FREQ Adj.
END

NOTE:
Envelope level and PG Shifter adjustment procedure are mentioned on Electrical Adjustment Procedure on Service Manual.

5-5. Supply & Take-up Reel Rotor Unit Replacement

(Removal)

1. Disconnect the **P34** and **P35** on the **MECH I/F**.
2. Move the S1 post to loading direction by manual ejecting method until the screw (C) can be removed as shown in Figure 5-5-1.
3. Confirm the supply and Take Up Brake are not released.
4. Press the iron core of M stopper solenoid to release the M stopper.
5. Remove the 4 screws (C), (D), (E) and (F) as shown in Figure 5-5-1.
6. Remove the Supply and Take Up Reel Rotor Unit and Reel Outer Rail as shown in Figure 5-5-2.

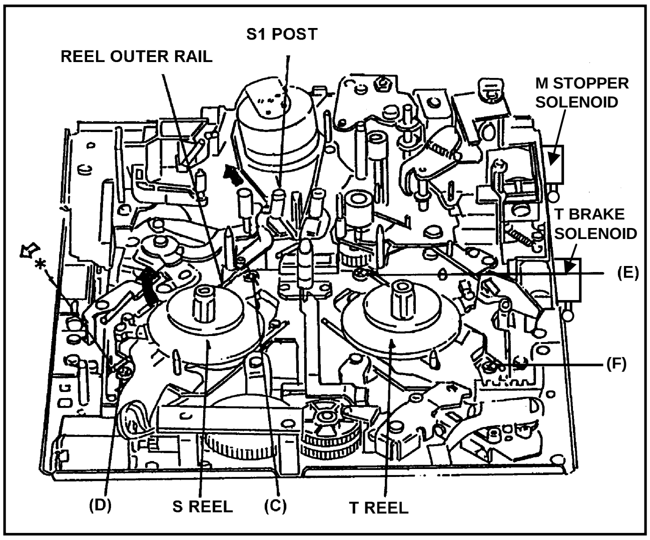

S1 POST
REEL OUTER RAIL
M STOPPER SOLENOID
T BRAKE SOLENOID
(E)
(F)
*
(D)
S REEL
(C)
T REEL

Figure 5-5-1

NOTE:
Confirm the groove position of Reel Base, and then insert the pin of Drive Arm Unit into it.

(Installation)

1. Install the Reel Outer Rail to New Supply and Take Up Reel Rotor Unit.
2. Hang on the Reel Rotor Unit on Reel Inner Rail and Install the Reel Rotor Unit matching the pin of Drive Arm Unit with groove position of Reel Base as shown in Figure 5-5-2.
3. Install the 4 screws (C), (D), (E) and (F).
4. Confirm that the Reel Rotor Unit move smoothly on the Rail by hand.
5. Move the Reel Rotor Unit to front side by hand and then pull up the iron core of M stopper solenoid so that M stopper operate.
6. Set the unloading condition by turning the Emergency shaft counter-clockwise.
7. Confirm that the Main Brake Torque.
8. Connect the Flexible Cable to **P34** and **P35** on the **MECH I/F**.
9. Adjust the S Reel Motor Torque Offset value.
10. Adjust the T Reel Motor Torque Offset value.
11. Confirm the Tension value on playback mode.

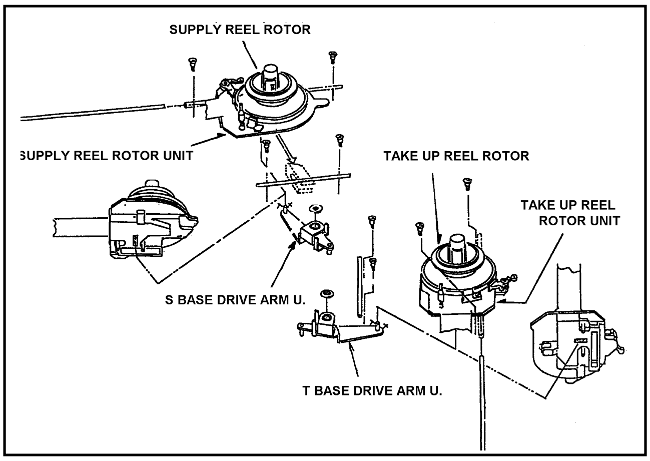

SUPPLY REEL ROTOR
SUPPLY REEL ROTOR UNIT
TAKE UP REEL ROTOR
TAKE UP REEL ROTOR UNIT
S BASE DRIVE ARM U.
T BASE DRIVE ARM U.

Figure 5-5-2

5-6. Main Brake Torque Confirmation

TEST	S Reel, T Reel
MODE	EJECT (Power OFF)
TOOL	Torque Gauge (VFK71A, VFK1191A) Torque Gauge Adapter (VFK1152)
ADJUSTMENT SPECIFICATION	
Direction A	
0.4±0.2cN·m (40±20g·cm)	
Direction B	
0.2±0.1cN·m (20±10g·cm)	

1. Install the adapter (VFK1152) to the torque gauge (VFK71A).
2. Put the torque gauge on S Reel and turn the torque gauge to direction A until S Reel slips against the brake.
3. Confirm the torque is within the specification.
4. Put the torque gauge on T Reel and turn the torque gauge to direction A until T Reel slips against the brake.
5. Confirm the torque is within the specification.
6. Install the adapter (VFK1152) to the torque gauge (VFK1191A).
7. Put the torque gauge on S Reel and turn the torque gauge to direction B until S Reel slips against brake.
8. Confirm the torque is within the specification.
9. Put the torque gauge on T Reel and turn the torque gauge to direction B until T Reel slips against brake.
10. Confirm the torque is within the specification.

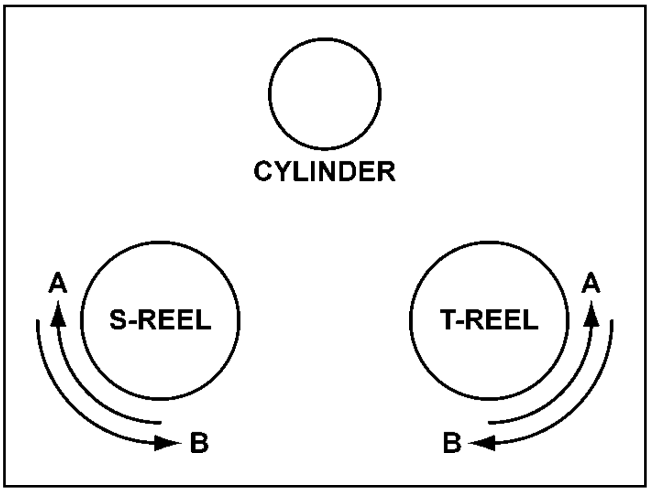


Figure 5-6-1

5-7. Supply & Take-up Brake Arm Unit Replacement

(Removal)

1. Press the iron core of Brake Solenoid to release the Brake.
2. Remove the cut washers (A) and remove the supply and Take Up Brake Arm Unit as shown in Figure 5-7-1.

(Installation)

1. When install the new Brake Arm Unit, hang on the Brake Arm Spring first as shown in Figure 5-7-1.
2. Follow the previous steps in reverse order.
3. Perform the Main Brake Torque confirmation.

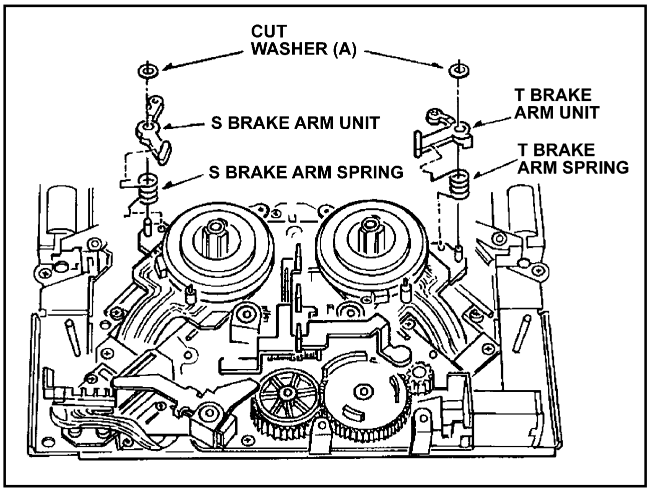


Figure. 5-7-1

5-8. Supply Brake Solenoid Replacement and Adjustment

(Removal)

1. Disconnect the **P15** on the **MECH I/F**.
2. Unscrew the 2 screws (A) and remove the Supply Brake Solenoid Base Unit as shown in Figure 5-8-1.
3. Unscrew the 2 screws (B) and remove the supply Brake Solenoid from Supply Brake Solenoid Base Unit as shown in Figure 5-8-1.

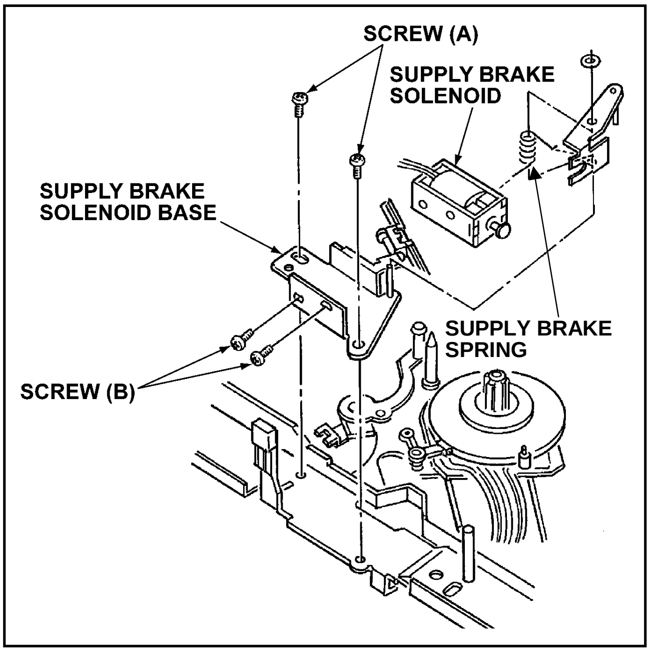


Figure. 5-8-1

(Installation)

1. Install the new supply Brake Solenoid following the removal steps in reverse order.

NOTE:
Hang on the Brake Arm Spring as shown in Figure 5-8-1.

2. After installing, perform the position adjustment as following procedures.

(Adjustment Procedures)

1. Place the reels in the M cassette size position.
2. Observe the clearance (A) between Brake pad and it's turntable as shown in Figure 5-8-2. And make sure that it is within 0.2 to 0.5mm.
3. If not, loosen the 2 screws (A), which fixed supply and Take Up Brake Solenoid Unit. And adjust the position of Brake Solenoid Unit by moving arrow direction so that the clearance (A) is within the specification. And tighten the 2 screws (A).
4. After adjustment, change the reel position to S and L cassette size, and confirm that the clearance (A) is within the specification.

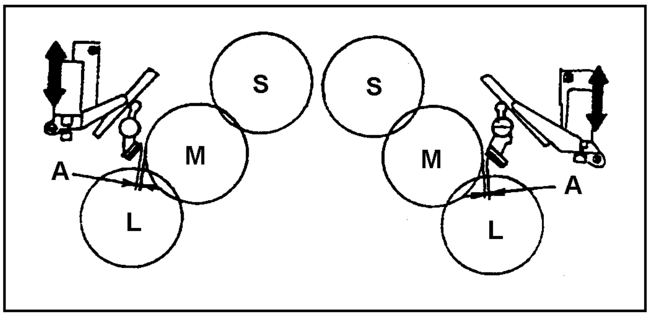


Figure 5-8-2

5-9. Take-up Brake Solenoid Replacement and Adjustment

(Removal)

1. Disconnect the **P18** on the **MECH I/F**.
2. Unscrew the 2 screws (A) and remove the Take Up Brake Solenoid Base Unit as shown in Figure 5-9-1.
3. Unscrew the 2 screws (B) and remove the Take Up Brake Solenoid from Take Up Brake Solenoid Base Unit as shown in Figure 5-9-1.

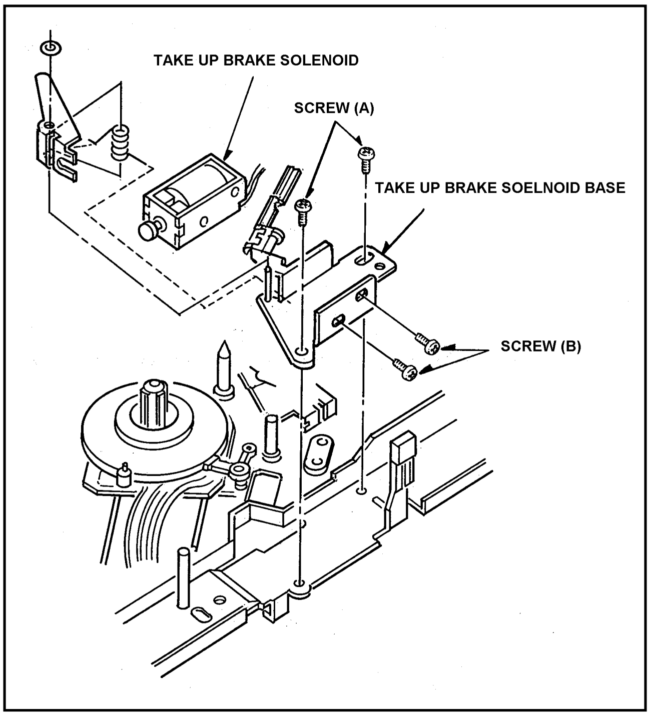


Figure 5-9-1

(Installation)

1. Install the new Take up Brake Solenoid following the removal steps in reverse order.

Note:
Hang on the Take up Brake Spring as shown in Figure 5-9-1.

2. After installation, position adjustment should be performed as follows.

(Adjustment Procedures)

1. Please adjust the position of Take up Brake Solenoid Unit following the adjustment procedure, which is described in item "5-8. Supply Brake Solenoid Replacement and Adjustment".

5-10. Pinch Solenoid Replacement

(Removal)

1. Disconnect the **P20** on the **MECH I/F**.
2. Unscrew the 2 screws (A) and remove the Pinch Solenoid Unit as shown in Figure 5-10-1.
3. Unscrew the 2 screws (B) and remove the Pinch Solenoid Angle as shown in Figure 5-10-1.
4. Unscrew the 2 screws (C) and remove the Pinch Solenoid from the Pinch Solenoid Base.

(Installation)

1. Install the new Pinch Solenoid following the removal steps in reverse order.
2. After installation, perform the Pinch Solenoid Position Adjustment.

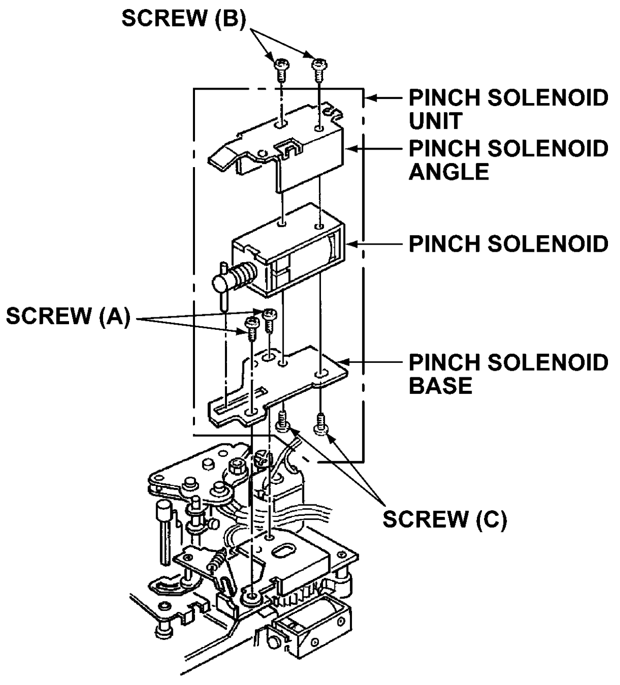

SCREW (B)
PINCH SOLENOID UNIT
PINCH SOLENOID ANGLE
PINCH SOLENOID
SCREW (A)
PINCH SOLENOID BASE
SCREW (C)

Figure 5-10-1

5-11. Pinch Solenoid Position Adjustment

SPEC.	T = 0.3 mm
TEST	Gap T
ADJUST	Screw (A) and Hole (B)
MODE	EJECT (Power OFF)
TOOL	Eccentric Driver (VFK0357)

1. Confirm the power is turned off.
2. Push the pinch roller by hand to be close to capstan.
3. Push the pinch solenoid by hand so that the pinch roller contacts capstan.
4. Loosen the two screws (A) and adjust the hole (B) by VFK0357 so that gap (T) is within the specification.

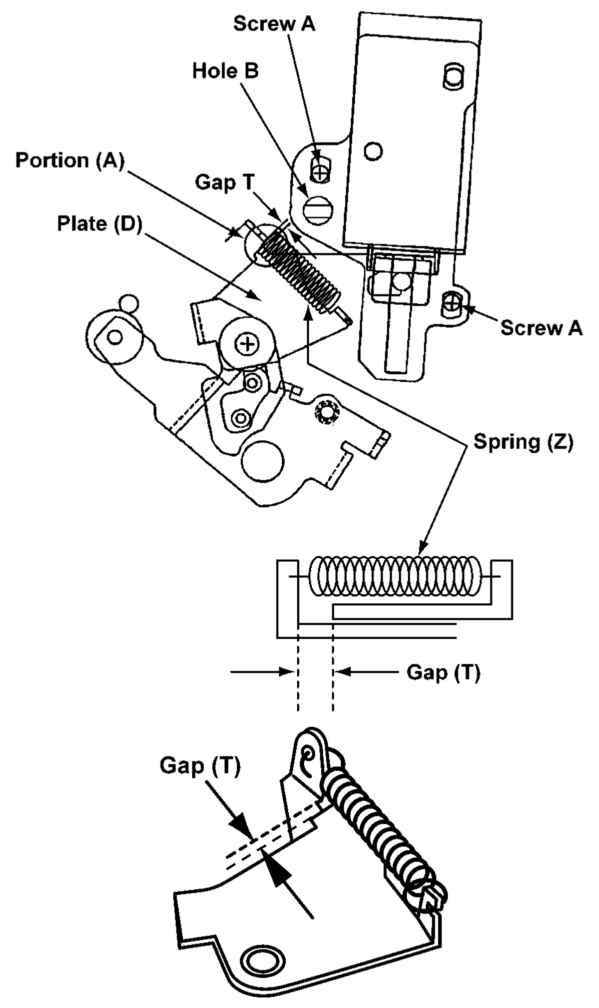

Screw A
Hole B
Portion (A)
Gap T
Plate (D)
Screw A
Spring (Z)
Gap (T)
Gap (T)

Figure 5-11-1

5-12. Pinch Arm Unit Replacement

(Removal)

1. Refer to item “5-10.Pinch Solenoid Replacement” to remove the Pinch Solenoid Unit.
2. Remove the cut washer (A) and remove the Pinch Solenoid Lever as shown in Figure 5-12-1.
3. Remove the cut washer (B) and remove the Pinch Arm Unit as shown in Figure 5-12-1.

(Installation)

1. Install the new Pinch Arm Unit following the removal steps in reverse order, and then Pinch Solenoid Position Adjustment is necessary.

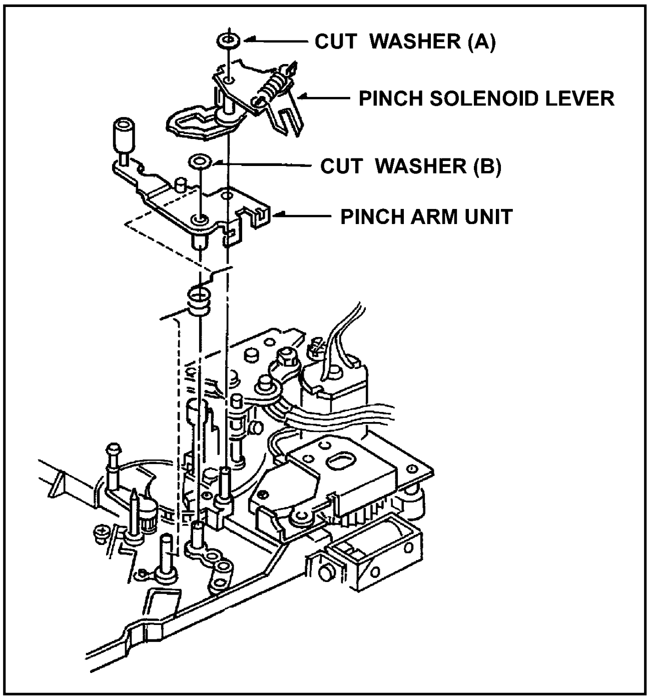

CUT WASHER (A)
PINCH SOLENOID LEVER
CUT WASHER (B)
PINCH ARM UNIT

Figure 5-12-1

5-13. Loading Motor Replacement

(Removal)

1. Disconnect the **P21** on the **MECH I/F**.
2. Remove the Pinch Solenoid Unit. (Refer to item 5-10).
3. Unscrew the screw (B), and remove the Emergency Shaft as shown in Figure 5-13-1.
4. Unscrew the 2 screws (C) and remove the Loading Motor Neutral Unit as shown in Figure 5-13-1.
5. Unscrew the 2 screws (D) and remove the Loading Motor Unit as shown in Figure 5-13-1.

(Installation)

1. Install the new Loading Motor Unit to Loading Motor Neutral Unit by tightening 2 screws (D).
2. Install the Loading Motor Neutral Unit by tightening the 2 screws (C), paying attention to the pin of Mode SW Unit which should match with groove position of main Cam Gear.
3. Install the Emergency Shaft by tightening the screw (B).
4. Install the Pinch Solenoid Unit and after installation it, Pinch Solenoid Position adjustment is required. (Refer to item 5-11-1).
5. Connect the **P21** to the **MECH I/F**.

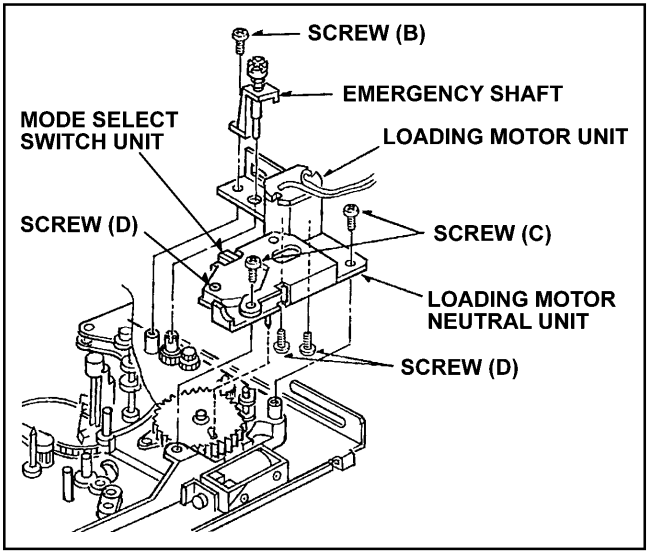

SCREW (B)
EMERGENCY SHAFT
MODE SELECT SWITCH UNIT
LOADING MOTOR UNIT
SCREW (D)
SCREW (C)
LOADING MOTOR NEUTRAL UNIT
SCREW (D)

Figure 5-13-1

5-14. Mode SW Unit Replacement

(Removal)

1. Disconnect the **P22** on the **MECH I/F**.
2. Remove the Pinch Solenoid Unit and Loading Motor Unit. (Refer to item 5-10 and 5-13.)
3. Remove the screw (E) and remove the Mode Select Switch Unit from Loading Motor Unit as shown in Figure 5-14-1.

Note:

Pay attention to the pin of Mode Switch Unit which should be matched with groove of Main Cam Gear.

(Installation)

1. Install the New Mode Select Switch Unit following the removal steps in reverse order (Refer to item "5-13. Loading Motor Unit Replacement").

2. After install the Pinch Solenoid Unit, Pinch Solenoid Position adjustment is required. (Refer to item 5-11).

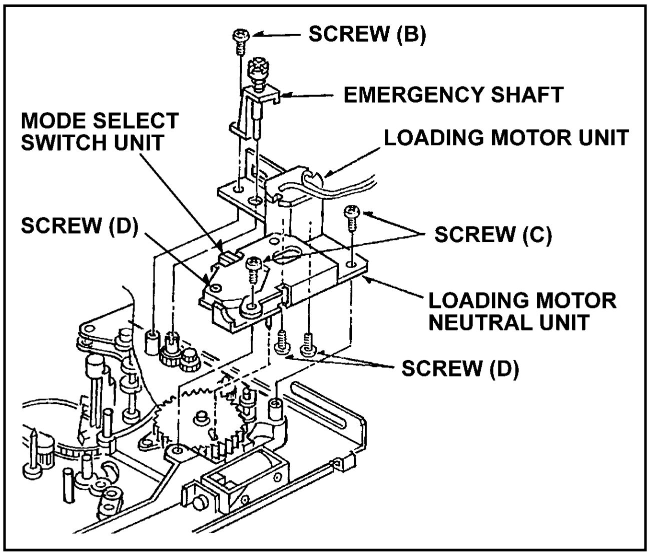

SCREW (B)
EMERGENCY SHAFT
MODE SELECT SWITCH UNIT
LOADING MOTOR UNIT
SCREW (D)
SCREW (C)
LOADING MOTOR NEUTRAL UNIT
SCREW (D)

Figure 5-14-1

5-15. Main Cam Gear Replacement

(Removal)

1. Remove the Pinch Solenoid Unit and Loading Motor Unit. (Refer to item 5-10 and 5-13.)
2. Remove the Main Cam Gear as shown in Figure 5-15-1.

(Installation)

1. Install the Main Cam Gear, then the pin of Main Cam Arm Unit (∗) should match with the groove position of Main Cam Gear as shown in Figure 5-15-1.
2. Follow the removal steps in reverse order.
3. After installation, perform the Pinch Solenoid Position Adjustment. (Refer to item 5-11)

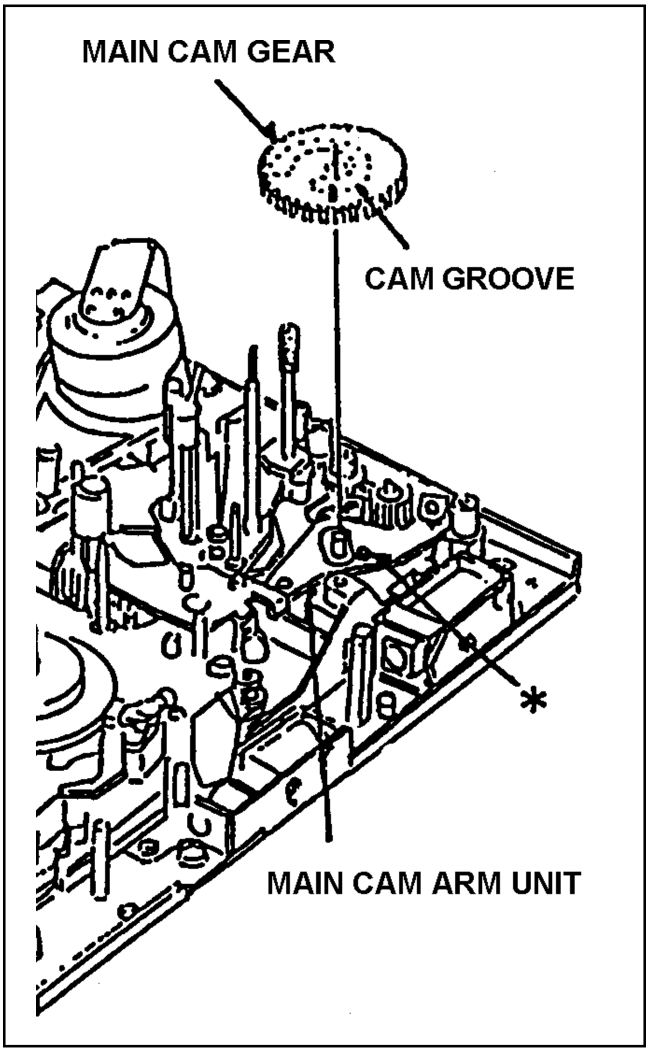

MAIN CAM GEAR
CAM GROOVE
*
MAIN CAM ARM UNIT

Figure 5-15-1

5-16. Thrust Screw Replacement and Adjustment

1. Remove the Thrust Adjustment Screw.
2. Clean the capstan shaft with an applicator.
3. Put the oil (VFK0906) on a new Thrust Adjustment Screw and install it to the upper end of the Capstan Housing.
4. Turn the Thrust Adjustment Screw slowly clockwise until the Capstan Rotor just starts turning (separate from the Capstan Rotor).
5. Turn the Trust Adjustment Screw further from that point (the point Capstan Rotor just starts turning) about 225 degrees clockwise as shown in Figure 5-16-2.
6. Put the glue (Ex. : Three Bond 1401B) on the Thrust Adjustment Screw.
7. Confirm that the Oil Seal is on the point on the Capstan Shaft as shown in Figure 5-16-1.

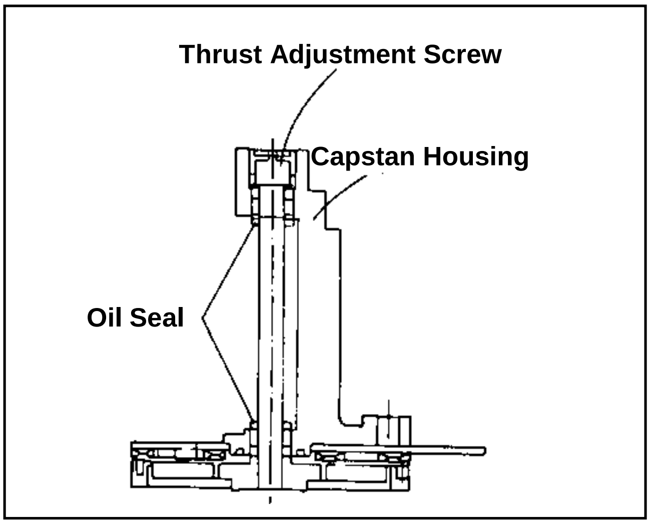


Figure 5-16-1

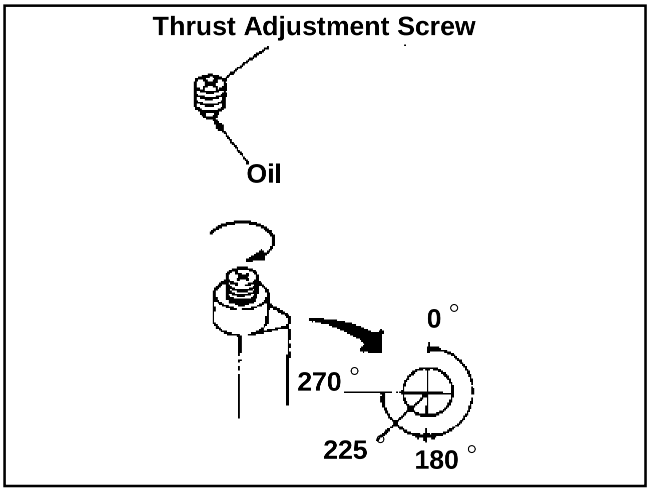


Figure 5-16-2

5-17. S5 Post Base Unit Replacement

(Removal)

1. Unscrew the screw (A) and remove the S5 Post Base Unit as shown in Figure 5-17-1.

(Installation)

1. Install the S5 post Base Unit following the removal steps in reverse order.

Note: Be careful the S5 Post Base Unit is installed to mech. chassis as shown in Figure 5-17-1.

2. After installation, Post Height Pre-Adjustment and Tape path Adjustment should be performed.

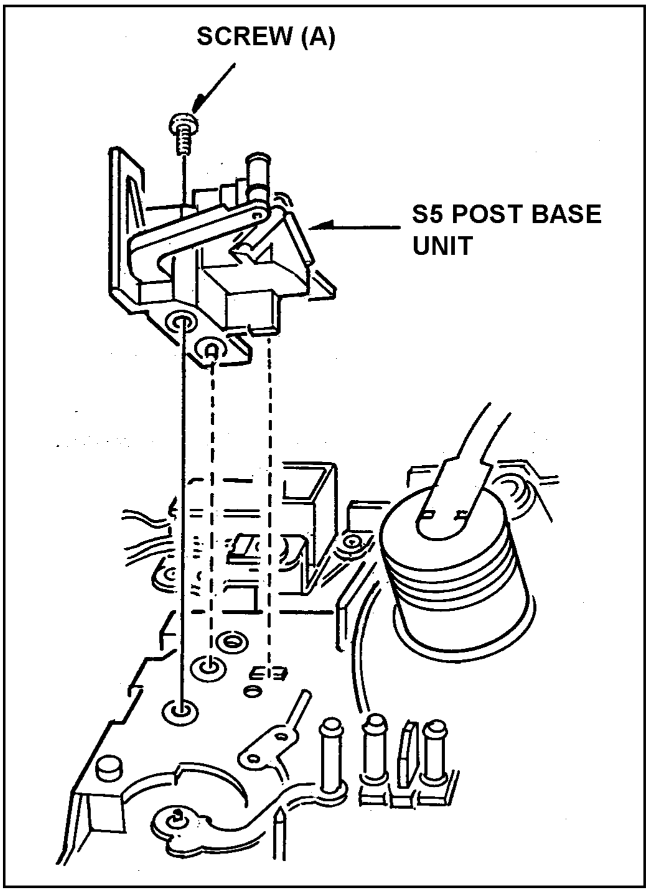


Figure 5-17-1

5-18. Tension Arm Unit Replacement

(Removal)

1. Remove the Cut Washer (A) and hang off the Tension Regulator Spring, and then remove the Tension Arm Unit as shown in Figure 5-18-1.

(Installation)

1. Install the new Tension Arm Unit following the removal steps in reveres order.
2. After installation, Tension Arm Adjustment should be performed the following steps.

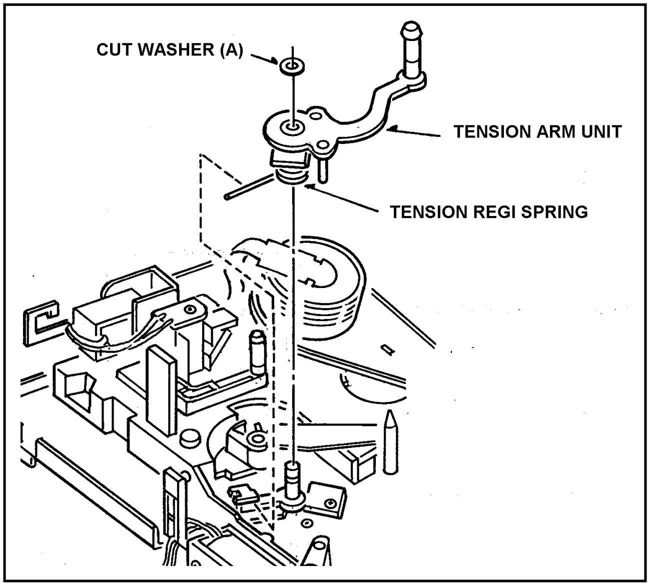

CUT WASHER (A)
TENSION ARM UNIT
TENSION REGI SPRING

Figure 5-18-1

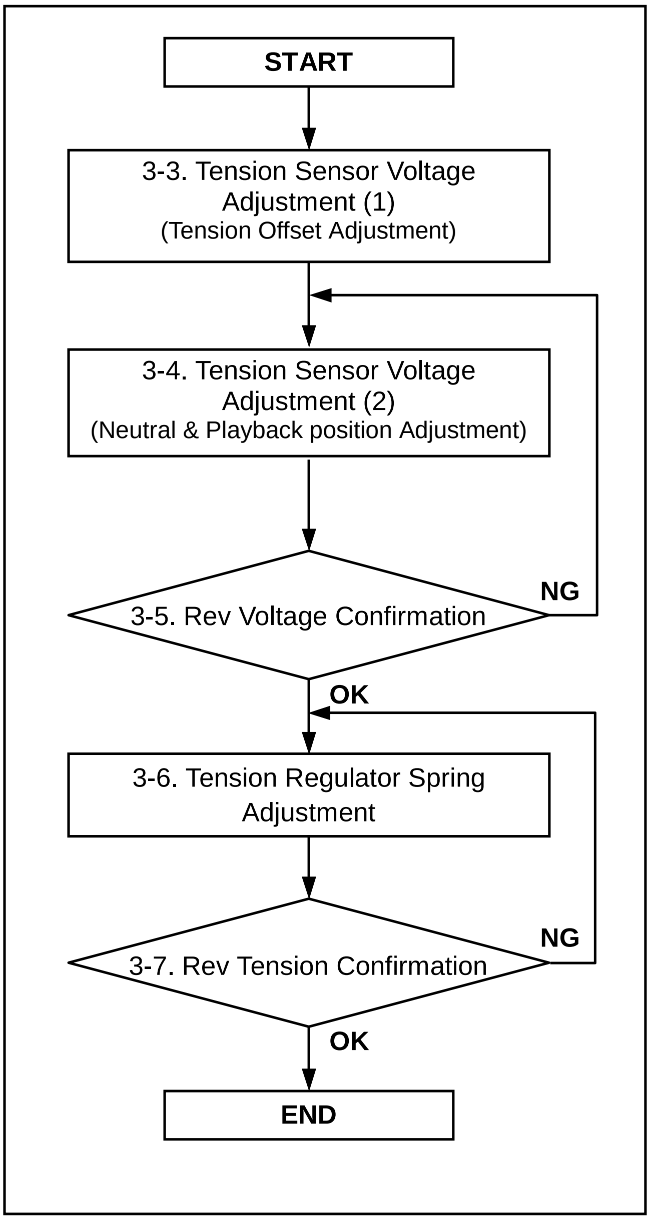

START
3-3. Tension Sensor Voltage Adjustment (1)
(Tension Offset Adjustment)
3-4. Tension Sensor Voltage Adjustment (2)
(Neutral & Playback position Adjustment)
3-5. Rev Voltage Confirmation
NG
OK
3-6. Tension Regulator Spring Adjustment
3-7. Rev Tension Confirmation
NG
OK
END

Figure 5-18-2

5-19. S1 Post Loading Arm Unit Replacement & Adjustment

(Removal)

1. Remove the S5 Post Base Unit. (Refer to item 5-17)
2. Remove the Tension Arm Unit. (Refer to item 5-18).
3. Unscrew the screw (A) and remove the S1 Post from Loading Rail as shown in Figure 5-19-1.
4. Remove the Cut Washer (B) and remove the S1 Loading Arm Unit as shown in Figure 5-19-1.

(Installation)

1. Install the new S1 Loading Arm Unit following the removal steps in reverse order, and then S1 Post Loading Arm Unit Phase Adjustment should be performed as follows.
2. After installation, confirm that the S1 Post move smoothly on the Loading Rail.
3. Tension Arm and Tape path Adjustment should be performed.

(Adjustment)

Install and adjust so that the Hole (A) is to be parallel with Hole (B) as shown in Figure 5-19-1.

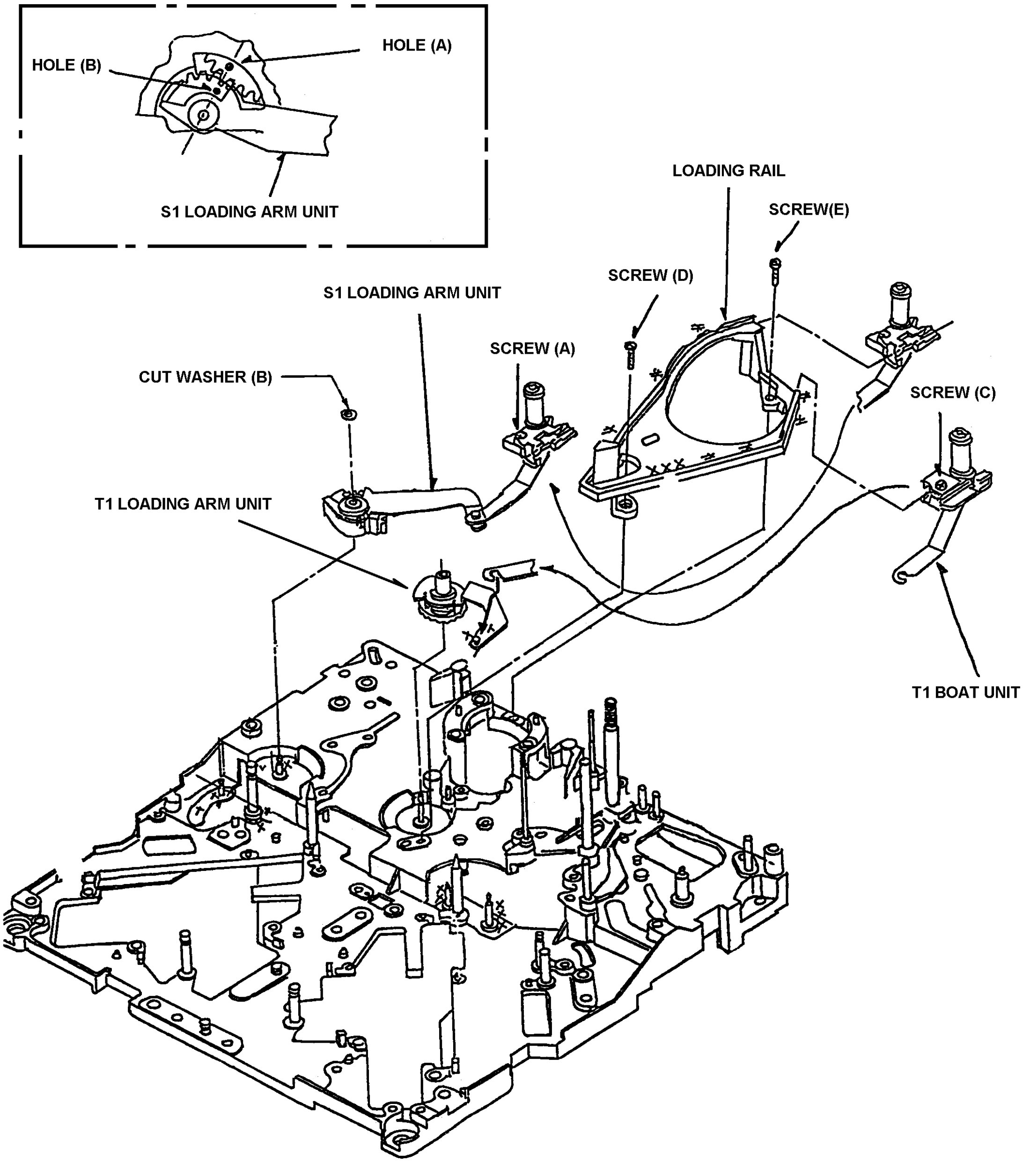

HOLE (A)
HOLE (B)
S1 LOADING ARM UNIT
LOADING RAIL
SCREW(E)
SCREW (D)
S1 LOADING ARM UNIT
SCREW (A)
CUT WASHER (B)
SCREW (C)
T1 LOADING ARM UNIT
T1 BOAT UNIT

Figure 5-19-1

5-20. T1 Boat Unit Replacement and Adjustment

(Removal)

1. Unscrew the screw (C) and remove the T1 Post from Loading Rail as shown in Figure 5-19-1 on the previous page.
2. Hang off the T1 Boat Unit from T1 Loading Arm Unit as shown in Figure 5-19-1.

(Installation)

1. Install the new T1 Boat Unit follow the removal steps in reverse order.
2. After installation, confirm that the T1 Post move smoothly on the Loading Rail.
3. Tape path Adjustment should be performed.

(Know how for Replacing T1 boat)

(1) T1 boat replacing procedure
Fix the T1 boat flat to the T loading arm N ass'y not to bend the both parts.

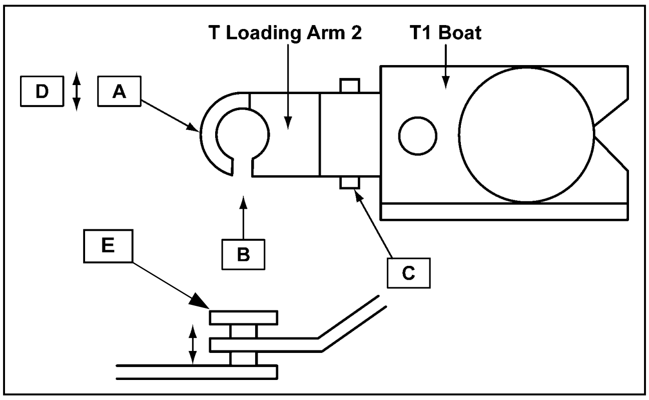


Figure 5-20-1

- If the portion A shown in the figure above is deformed , the T1 boat can cause snag during loading or significant change in X-Value. Visually check the portion A doesn't have the deformation.
- If deformation is found, remove the T1 boat, flatten the arm by using an appropriate tool such as a pair of long nose pliers and then install the T1 boat. Or, replace the T1 boat with a new one.
- If the portion B shown in the figure above is significantly deformed, the arm can become loose. At a half load position, while pinching the portion C of the arm with tweezers, slightly move the arm in the directions of D several times and make sure that the arm does not come off. If it can come off, remove the T1 boat. Using long nose pliers, narrow the opening B and then fit the T1 boat.

(Confirmation and Adjustment Procedure)

Tool : T Arm Height Adj. Tool A (VFK1542)
T Arm Height Adj. Tool B (VFK1543)

(1) T1 boat replacing procedure

1. Turn the emergency red screw clockwise and set T1 Boat Unit to the position which the point (A), (B) and (C) in Figure 5-20-2 be on the same line.
2. Push the Pinch Roller by hand to be close to Capstan and push the Pinch Solenoid by hand so that the Pinch Roller contacts Capstan.
3. Set the T Arm Height Adj. Tool A (VFK1452) to take up side cassette fixed pin as shown in figure 5-20-3.
4. Turn the Tool A and confirm that the Tool A contacts to pin E (the position of pin E as shown in figure 5-20-1) as shown in figure 5-20-3.
5. Set the T Arm Height Adj. Tool B (VFK1543) to take up side cassette fixed pin as shown in figure 5-20-3.
6. Turn the Tool B and confirm that the Tool B does not contact to pin E (the position of pin E as shown in figure 5-20-1) as shown in figure 5-20-3.

<Specification of T Arm Height>

	Contact of Pin E
Tool A (have cut)	contact
Tool B (have not cut)	no contact

Note 1: In case Tool A does not contact to Pin E.

1. Remove the T1 Boat Unit from Loading Rail and press up the T Loading Arm 1 by hand to change the height of T Loading Arm.
2. Install the T1 Boat Unit and hit the Pin E from the top lightly.
3. Repeat the T1 Loading Arm Height Adjustment.

Note 2: In case Tool B contact to Pin E.

1. Remove the T1 Boat Unit from Loading Rail and press down the T Loading Arm 1 by hand to change the height of T Loading Arm.
2. Install the T1 Boat Unit and hit the Pin E from the top lightly.
3. Repeat the T1 Loading Arm Height Adjustment.

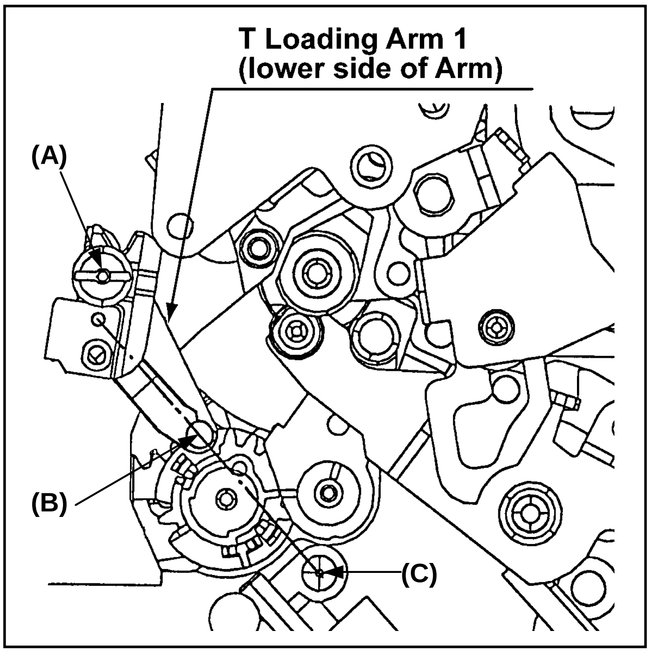

T Loading Arm 1
(lower side of Arm)
(A)
(B)
(C)

Figure 5-20-2

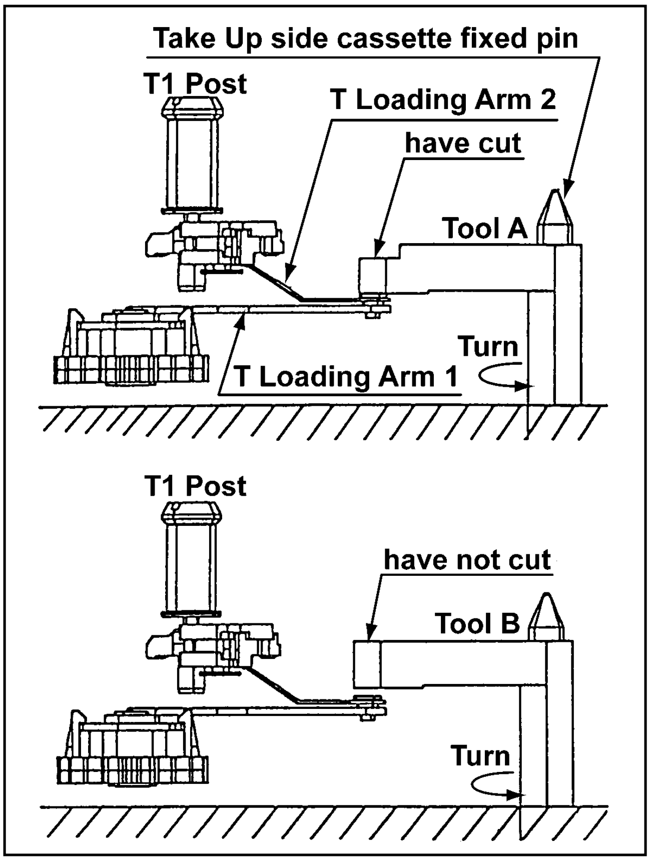

Take Up side cassette fixed pin
T1 Post
T Loading Arm 2
have cut
Tool A
Turn
T Loading Arm 1
T1 Post
have not cut
Tool B
Turn

Figure 5-20-3

(2) Check the smooth movement of T1 Boat Unit.

Check smooth loading and unloading operations. If not smooth (especially, at the curve of rail), take the following steps.

1. Check deformation of T1 boat joint.
2. If no deformation, then reposition the loading rail as described below.

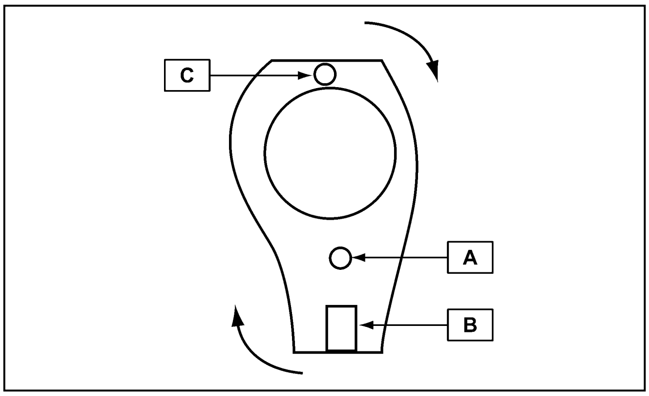


Figure 5-20-4

1. Loosen the screw A.
2. While pressing the projection B leftward, tighten the screw.

If loading & unloading operation still is not smooth, remove CYL and loosen screws A and C. Turn the rail clockwise as shown in the figure and then tighten the screws.

If the operation still is not smooth, replace loading rail or the T1 boat with a new one.

5-21. A/C head Replacement & Adjustment

<Tools required>

Nut Driver (5.5mm : VFK1150)
Hex Driver (VFK1148)
Hex Wrench (VFK1190)

Point: Memorize height of the Nut (C) before remove the Nut (C).

(Removal)

1. Loosen the hex screw (B) and remove the Nut (C). Hang off the Head Height Adjustment Spring and then remove the A/C Head Unit as shown in Figure 5-21-1.

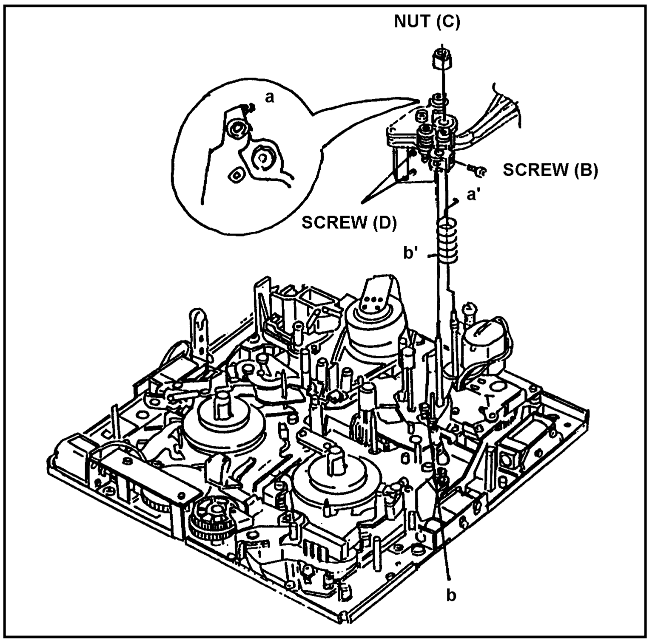


Figure 5-21-1

2. Remove the 2 screws (A) and disconnect the **P4001** on the **RF/CUE P.C.B.** and **P30** on the **MECH I/F**, and then remove the A/C Head from the A/C Head Plate as shown in Figure 5-21-2.

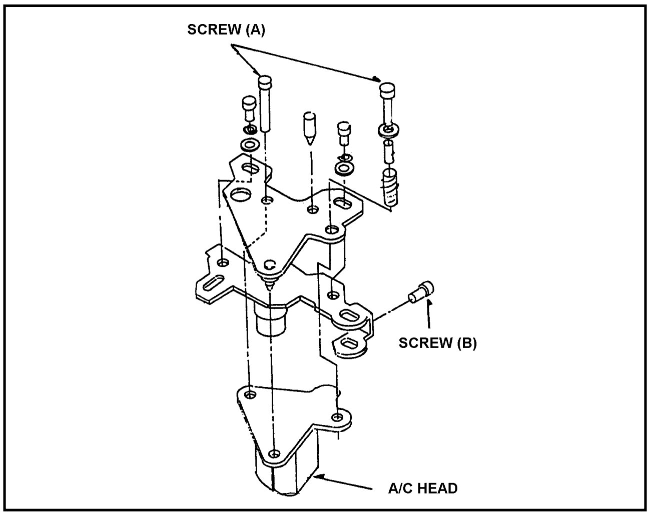


Figure 5-21-2

3. Remove the Shield Cover by removing 2 screws (D) in Figure 5-21-1.
4. Unsolder the lead wires as shown in Figure 5-21-3. (When unsolder the lead wires, do not unsolder all at the same time)

(Installation)

1. Remove the Shield Case from the New A/C Head and solder the lead wires to New A/C Head. (Refer to Figure 5-21-3)
2. Reinstall the shield case to A/C Head.
3. Install the A/C Head to A/C Head Plate by tightening 2 screws (A), then set the gap parallel between A/C Head and A/C Head Plate.
4. Install the A/C Head Unit.
5. Hang on the Head Height Adjustment Spring and tighten the Nut (C).
6. Clean the surface of the A/C Head.

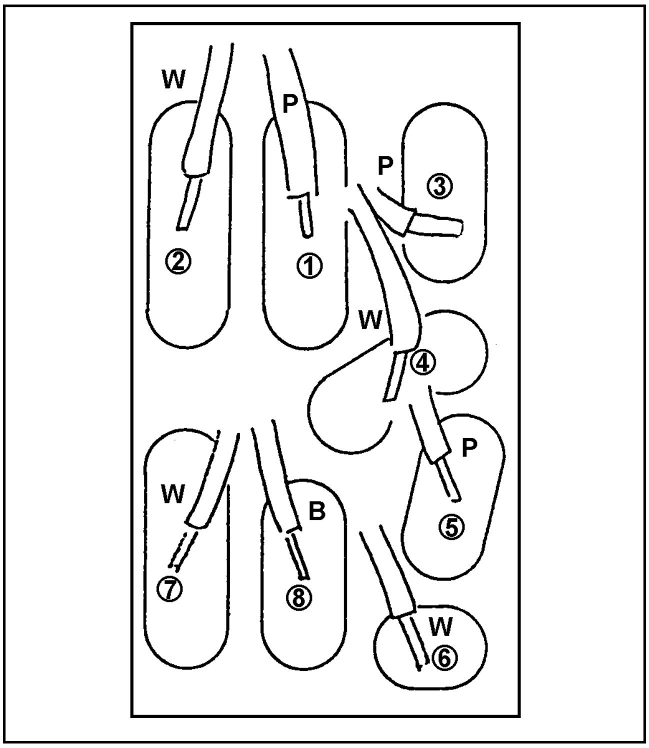
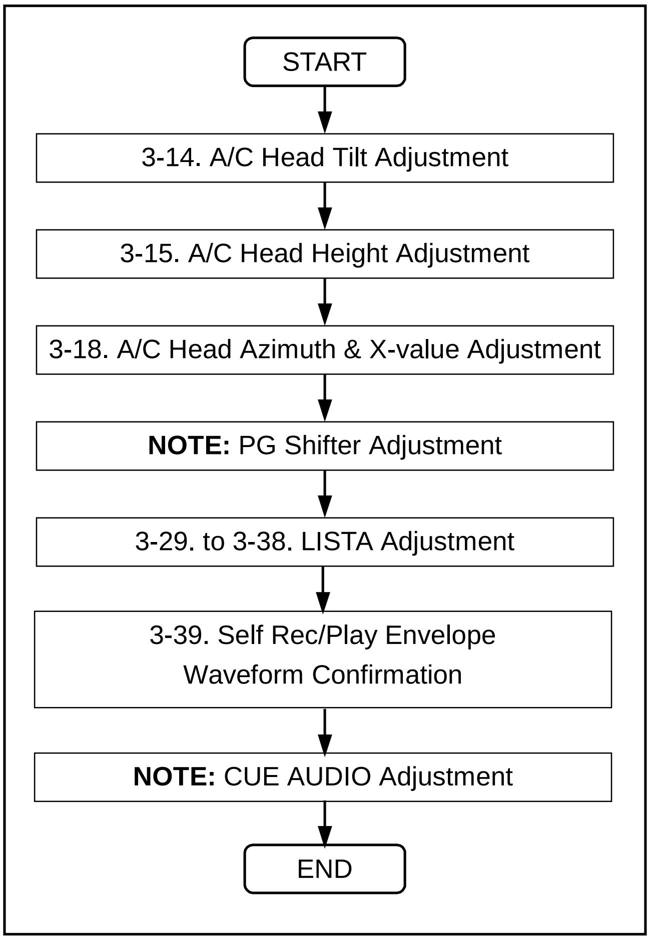


Figure 5-21-3

A/C Head	Cable Color		Connector
1	Pink	Yellow	P4001
2	White		
3	Pink	Red	
4	White		
5	Pink	Green	
6	White		
7	White	Yellow	P30
8	Black		

<A/C Head Adjustment>

1. After change the A/C Head, please perform the following steps.


START
3-14. A/C Head Tilt Adjustment
3-15. A/C Head Height Adjustment
3-18. A/C Head Azimuth & X-value Adjustment
NOTE: PG Shifter Adjustment
3-29. to 3-38. LISTA Adjustment
3-39. Self Rec/Play Envelope Waveform Confirmation
NOTE: CUE AUDIO Adjustment
END

NOTE:
PG Shifter and CUE AUDIO adjustment procedures are mentioned on Electrical Adjustment Procedures on Service Manual.

5-22. Cleaner Solenoid Replacement & Adjustment

(Removal)

1. Disconnect the **P48** on the **MECH I/F**.
2. Unscrew the 2 screws (A) and remove the Cleaner Solenoid Unit as shown in Figure 5-22-1.
3. Unscrew the 2 screws (B) and remove the Cleaner Solenoid as shown in Figure 5-22-1.

(Installation)

1. Install the new Cleaner Solenoid following the removal steps in reverse order.
2. After installation, perform the Cleaner Solenoid Position adjustment.

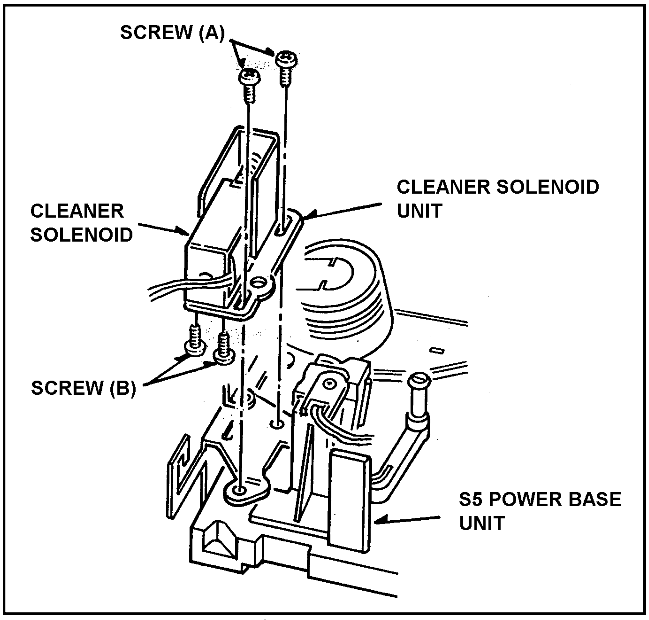

SCREW (A)
CLEANER SOLENOID UNIT
CLEANER SOLENOID
SCREW (B)
S5 POWER BASE UNIT

Figure 5-22-1

5-22-1. Cleaner Solenoid Position Adjustment

<Tools required>

Eccentric Driver (VFK0357)

1. Press the iron core of Cleaner Solenoid.
2. Observe the clearance (D) between Cleaning Arm Unit and Cleaner Base Plate as shown in Figure 5-22-3. And make sure that it is within 0.5 to 0.7mm.
3. If not, loosen the 2 screws (A) and adjust the position of Cleaner Solenoid Unit by moving arrow direction (C ←→ C) using the Eccentric drive so that the clearance (D) is within the specification. And tighten the 2 screws.
4. After adjustment, confirm that as follows.
5. Press the iron core of Cleaner Solenoid and released it, then the Cleaning Roller return to original position.
6. Press the iron core of the Cleaner Solenoid and confirm that the Cleaner Roller rotates, when the Cylinder is rotated by hand.

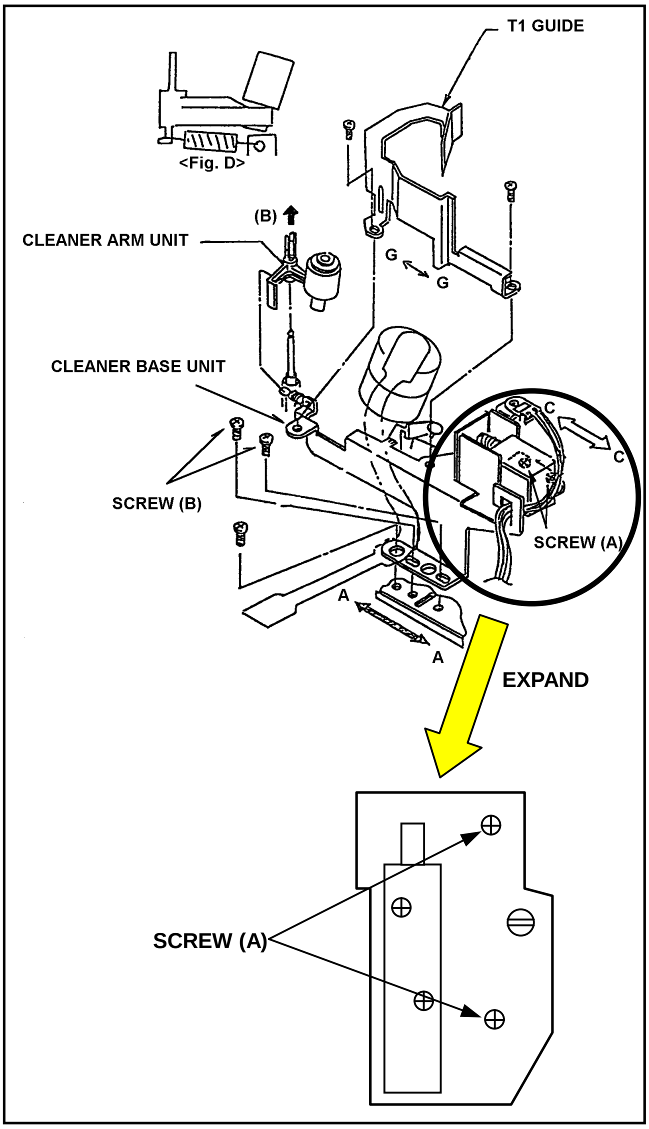


Figure 5-22-2

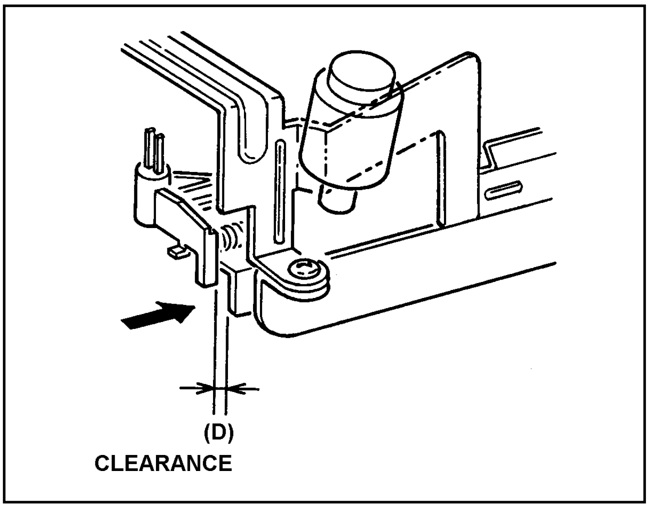


Figure 5-22-3

Note:
If the cleaner Base Plate is removed, execute the Cleaner roller Position adjustment.

5-22-2. Cleaner Roller Position Adjustment

<Tools required>

Eccentric Driver (VFK0357)

1. Observe the clearance (A) between Cleaner Roller and cylinder Unit as shown in Figure 5-22-4. And make sure that it is within 1.0 to 1.2mm.
2. If not, loosen the 2 screws (B) as shown in figure 5-22-2 and adjust the position of Cleaner Base Plate by moving arrow direction (A ←→ A) using the Eccentric driver so that the clearance (A) is within the specification. And tighten the 2 screws (B).

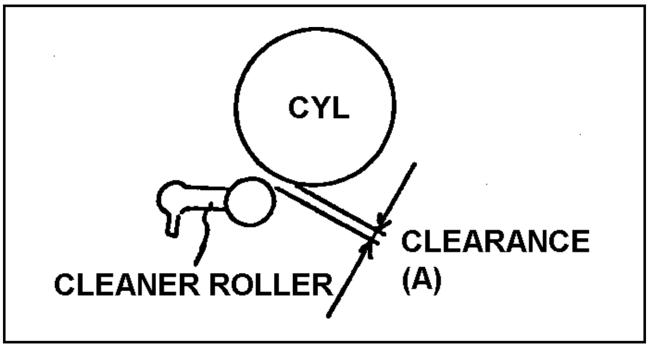


Figure 5-22-4

5-23. Distinction SW Unit Replacement

(Removal)

1. Disconnect the **P17** on the **MECH I/F**.
2. Remove the MIC Drive Rev Spring at Distinction Switch Unit side as shown in Figure 5-23-1.
3. Unscrew the 3 screws (A) and remove the MIC Rail Unit as shown in Figure 5-23-1.

(Installation)

1. Install the new Distinction Switch Unit following the removal steps in reverse order.
2. Confirm that the M and L cassettes touch to Distinction Switch Unit correctly.

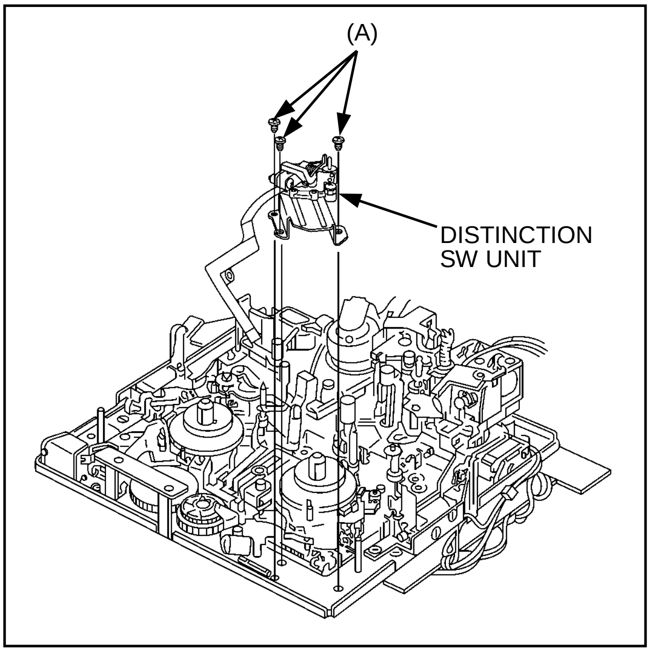


Figure 5-23-1

5-24. Reel Drive Motor Unit Replacement

(Removal)

1. Disconnect the **P16** on the **MECH I/F**.
2. Unscrew the 2 screws (A) and remove the Reel Drive Sensor P.C.Board as shown in Figure 5-24-1.
3. Unscrew the 2 screws (B) and remove the Reel Drive Motor Unit as shown in Figure 5-24-1.

(Installation)

1. Install the new Reel Drive Motor Unit following the removal step in reverse order.

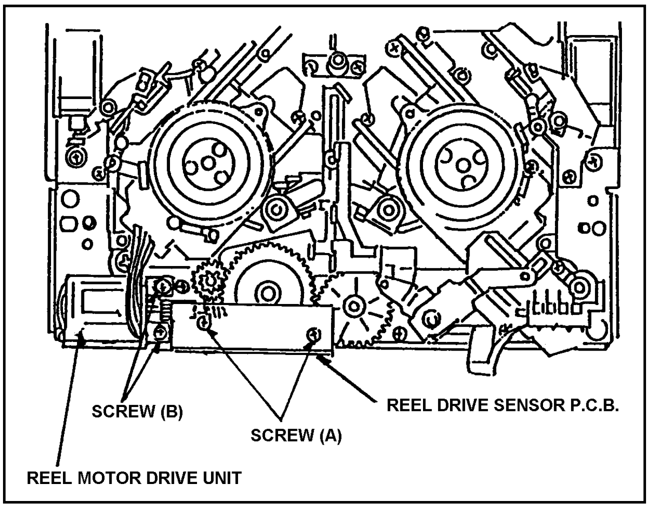


Figure 5-24-1

5-25. L-M Release Angle Unit Replacement

(Removal)

1. Unscrew the 2 screws (A) and remove the L-M Release Angle Unit as shown in Figure 5-25-1.

(Installation)

1. Install the new L-M Release Angle Unit following the removal steps reverse order.

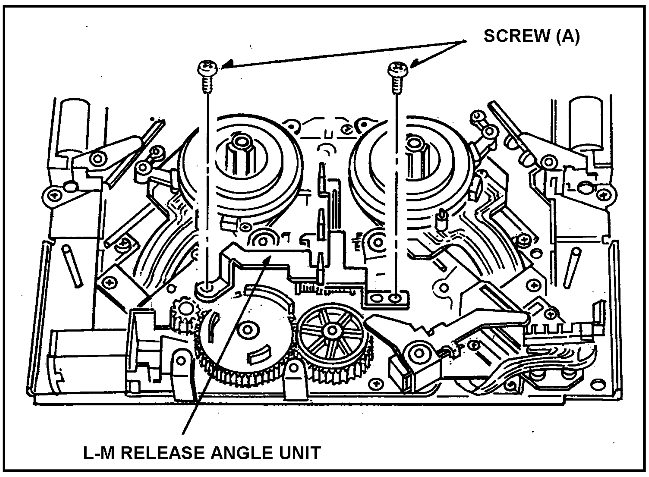

SCREW (A)
L-M RELEASE ANGLE UNIT

Figure 5-25-1

5-26. Slide Rod Unit Replacement & Adjustment

(Removal)

1. Remove the L-M Release Angle Unit. (Refer to item 5-25)
2. Remove the Reel Drive Sensor P.C.Board. (Refer to item 5-24).
3. Remove the Cut Washer (A) and remove the Reel Drive Cam Gear as shown in Figure 5-26-1.
4. Remove the Cut Washer (B) and remove the MIC Drive Arm Unit as shown in Figure 5-26-1.
5. Remove the Cut Washer (C) and remove the MIC Geneva Gear as shown in Figure 5-26-1.
6. Remove the Cut Washer (D) and remove the Reel Drive Arm Unit as shown in Figure 5-26-2.
7. Remove the Supply and Take Up Reel Rotor Unit. (Refer to item 5-5)
8. Remove the 2 Cut Washers (E) and remove the Supply and Take Up Base Drive Arm Unit.
9. Remove the 2 Cut Washers (F) and remove the Slide Rod Unit.

(Installation)

1. Install the new Slide Rod Unit following the removal steps in reverse order.
2. After installation of the Reel Drive Cam Gear and MIC Geneva Gear, phase adjustment should be performed as follows.

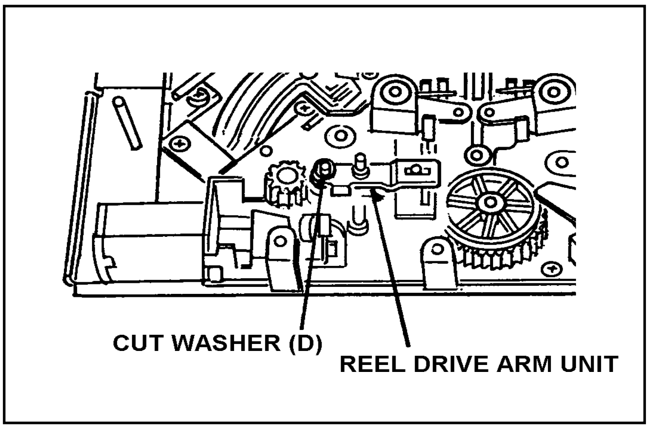

CUT WASHER (D)
REEL DRIVE ARM UNIT

Figure 5-26-2

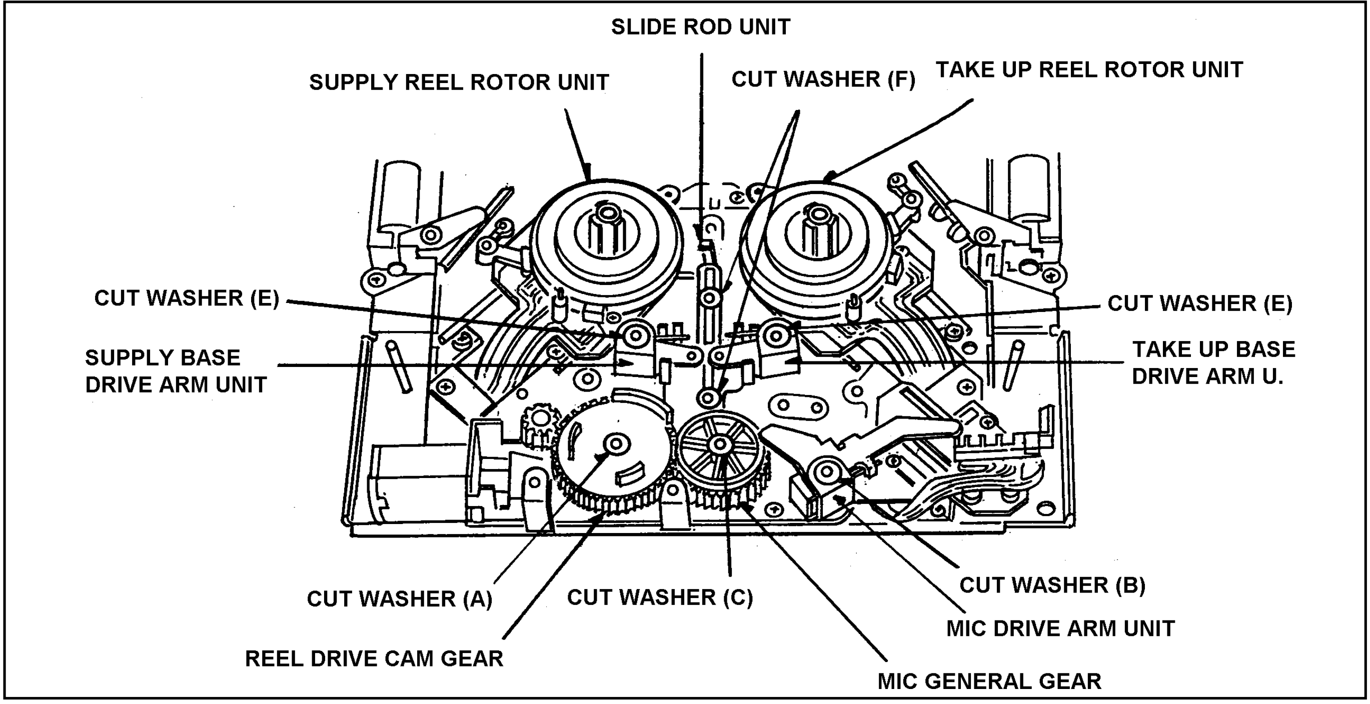

SLIDE ROD UNIT
SUPPLY REEL ROTOR UNIT
CUT WASHER (F)
TAKE UP REEL ROTOR UNIT
CUT WASHER (E)
SUPPLY BASE DRIVE ARM UNIT
CUT WASHER (E)
TAKE UP BASE DRIVE ARM U.
CUT WASHER (A)
CUT WASHER (C)
CUT WASHER (B)
MIC DRIVE ARM UNIT
REEL DRIVE CAM GEAR
MIC GENERAL GEAR

Figure 5-26-1

(Adjustment)

1. Install the MIC Geneva Gear to the Chassis.
2. Place the Reels in the M-Size position by hand.
3. Install the MIC Drive Arm Unit.
4. Place the REC Inhibit SW in front position on Distinction SW Unit by rotation of MIC Geneva Gear, and then MIC Geneva Gear should be positioned as shown in Figure 5-26-3.

Note:
Protrusion of MIC DRIVE Arm Unit is positioned as shown in Figure 5-26-3.

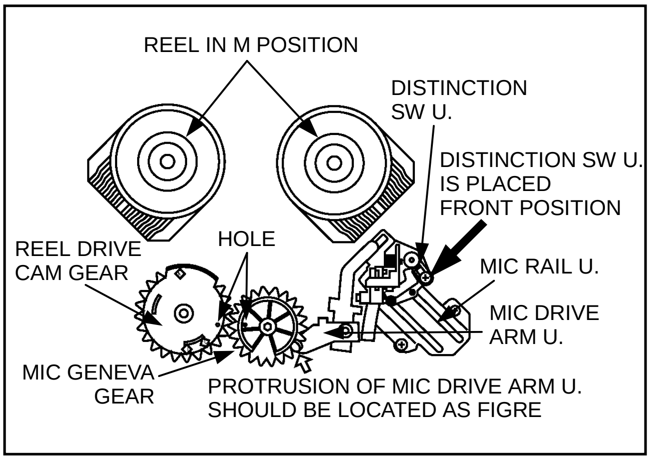

REEL IN M POSITION
DISTINCTION SW U.
DISTINCTION SW U. IS PLACED FRONT POSITION
REEL DRIVE CAM GEAR
HOLE
MIC RAIL U.
MIC DRIVE ARM U.
MIC GENEVA GEAR
PROTRUSION OF MIC DRIVE ARM U. SHOULD BE LOCATED AS FIGRE

Figure 5-26-3

5. Install the Reel Drive Cam Gear and the hole of Reel Drive Cam Gear should match with the hole of MIC Geneva Gear as shown in Figure 5-26-3.
6. Install the Cut Washer (A), (B) and (C) as shown in Figure 5-26-1.

Point of Adjustment:

1) Reel in M-Size position.
2) Set the REC Inhibit SW in front position of Distinction SW Unit.
3) Protrusion of MIC Drive Arm Unit is positioned as shown in Figure 5-26-3.
4) Holes between Reel Drive Cam Gear and MIC Geneva Gear are matched.

5-27. M-Stopper Solenoid Replacement & Adjustment

(Removal)

1. Remove the **P24** on the **MECH I/F**.
2. Unscrew the 4 screws (A) and (B) and remove the M-Stopper Solenoid as shown in Figure 5-27-1.

(Installation)

1. Install the new M-Stopper Solenoid following the removal steps in reverse order.
2. After installation, position adjustment should be performed as follows.

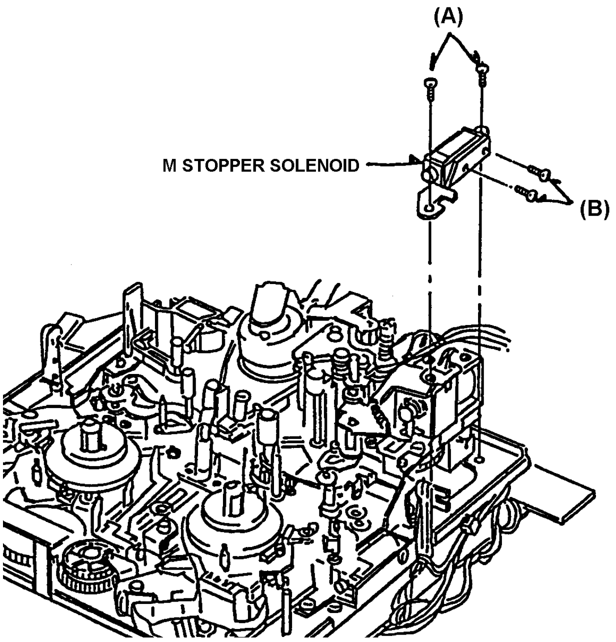

(A)
M STOPPER SOLENOID
(B)

Figure 5-27-1

(Adjustment)

1. Place the reels in the L size position.
2. Push the iron core of M-Stopper Solenoid by hand.
3. Observe the clearance (A) between Mech. Chassis and M-Stopper as shown in Figure 5-27-2. And make sure that it is within 1.1 to 1.3mm.
4. If not, loosen the 2 screws (A), which fixed M-Stopper Solenoid. And adjust the position of M-Stopper Solenoid so that the clearance (A) is within the specification. And tighten the 2 screws (A).

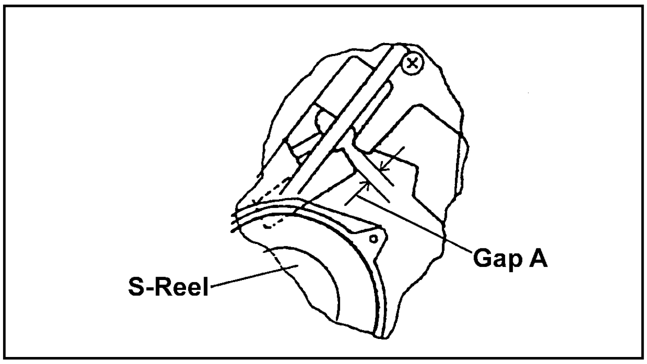


Figure 5-27-2

5-28. T4 Post Position Adjustment

1. Confirm that the hole (B) of T4 connection Gear match with the hole of T4 post as shown in figure 5-28-1.
2. Confirm that the portion (C) of T4 connection Gear and hole (A). Those are located as shown in figure 5-28-1.
3. If not, adjust the phase of T4 post.

Note:
This confirmation should be performed on unloading condition.

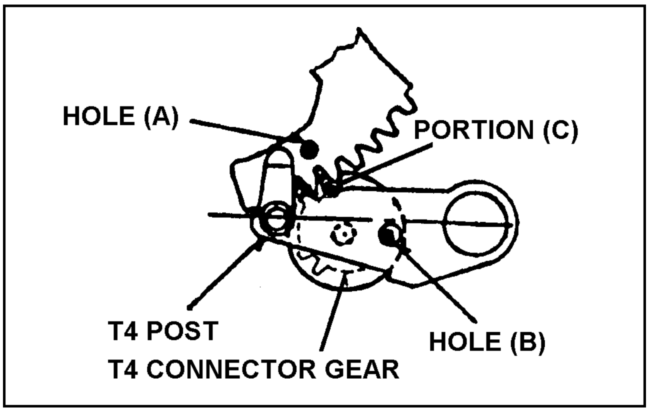

HOLE (A)
PORTION (C)
T4 POST
T4 CONNECTOR GEAR
HOLE (B)

Figure 5-28-1

6. CONNECTOR LOCATION

6-1. Mech. I/F P.C. Board

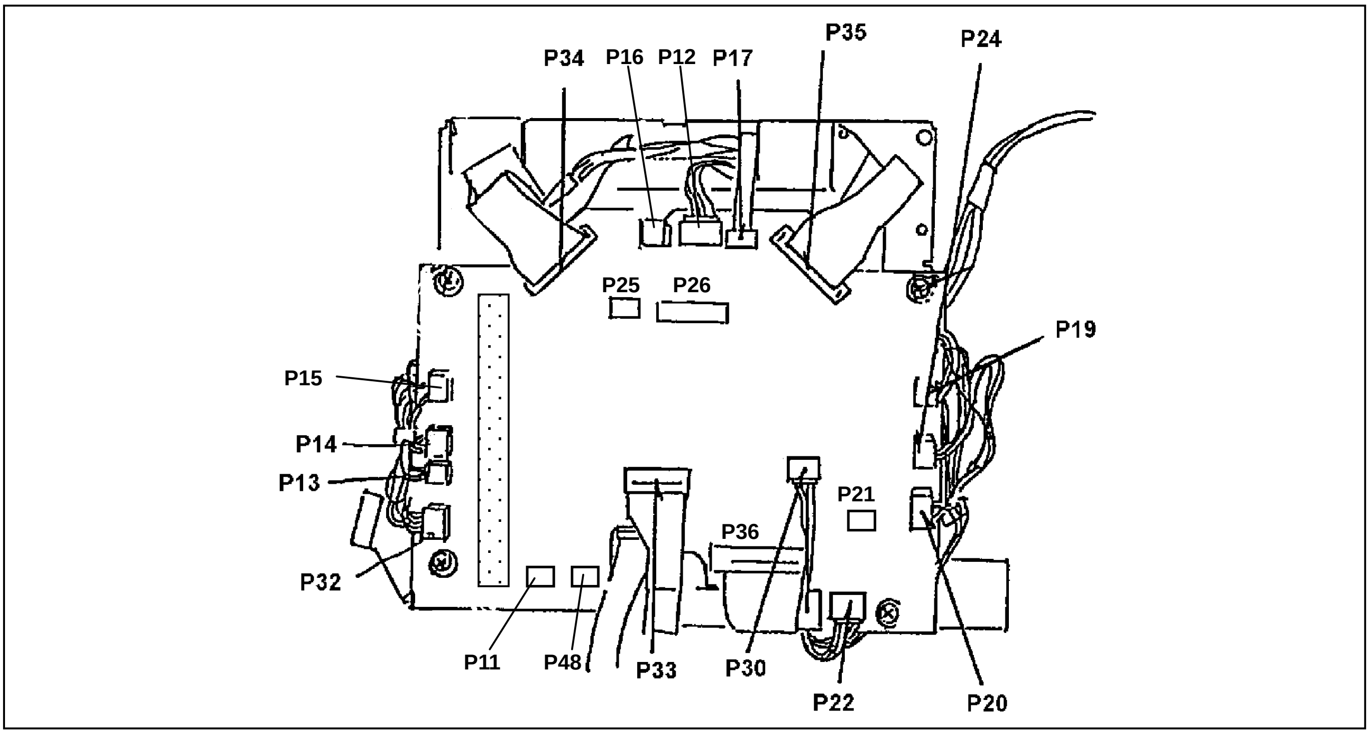

P34
P16
P12
P17
P35
P24
P25
P26
P19
P15
P14
P13
P32
P21
P36
P11
P48
P33
P30
P22
P20

Figure 6-1-1

SECTION 4

ELECTRICAL ADJUSTMENT

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1. POWER SUPPLY UNIT

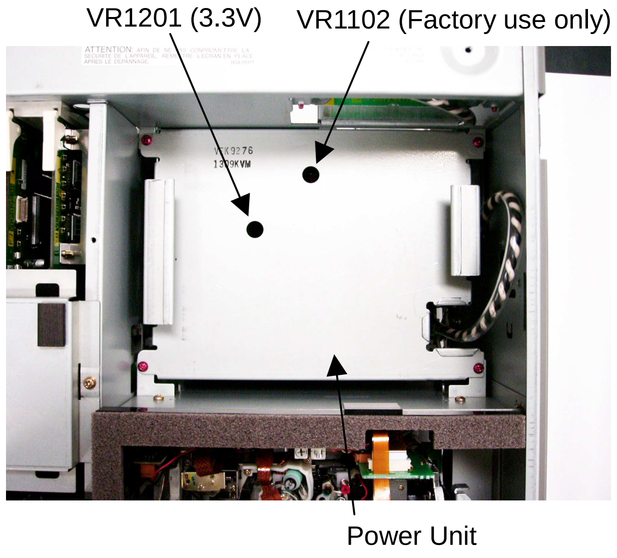
1-1. Power Supply Voltage Adjustment

BOARD	POWER UNIT
TP	TP6 (+5V) (on the extension board)
ADJ.	VR1201 (+3.3V)
TAPE	-----
INPUT	-----
MODE	EJECT
M. EQ	Digital Voltmeter
SPEC.	+3.20V ± 0.05V

1. Extend the Syscon (F6) board with extension board.
2. Turn ON the power switch, and set to “EJECT” mode.
3. Connect Digital Voltmeter to TP6 on the extension board, and adjust VR1201 so that the DC voltage is in the specification.

<Note>

1. The VR1102 is for factory use only.
2. TP6 is described as “+5V” on the extension board (VFK1192). But this line is used for +3.2V in this model.



2. SERVO (F7)

<For AJ-SD955A>

Set **"070 TV SYSTEM"** of the Setup Menu to **"525"**.

2-1. SERVO FG Offset Adjustment

BOARD	SERVO (F7)
TP	-----
ADJ.	Service Menu
TAPE	-----
INPUT	-----
MODE	EJECT
M. EQ	-----
SPEC.	-----

1. Open the SERVICE MENU. (Refer to SEC1 Service Information.)
2. Select the **A00: SERVO ADJUST** and press the “SET” button to open the SERVO ADJUST MENU.
3. Select the **A01 FG DC ADJ**, and Press the “Search” button continuously until “OK” sign is displayed on the right side of A01 FG DC ADJ. (It takes 5-10 seconds.) (During automatic adjustment, the reel motor and brake solenoid are moving.)
4. Close the menu.

<Note>

1. When “NG” sign is displayed or becoming the “AUTO OFF”, do not insert the tape. Check the mechanism condition and servo circuit.
2. When the parts of mechanism is disassembled and assembled, implement this adjustment before inserting a cassette tape.
3. When repairing or changing the mechanism (Capstan/Reel), Servo (F7) board, or Syscon (F6) board, implement this adjustment.

2-2. Reel Torque Gain Adjustment

BOARD	SERVO (F7)
TP	-----
ADJ.	Service Menu
TAPE	-----
INPUT	-----
MODE	EJECT
M. EQ	Monitor TV
SPEC.	-----

1. Open the SERVICE MENU. (Refer to SEC1 Service Information.)
2. Select the **A00: SERVO ADJUST** and press the “SET” button to open the SERVO ADJUST MENU.
3. Select the **A02:RL GAIN ADJ** by using the “JOG” dial.
4. Press the “Search” button continuously until the two kind of numeric value displayed on the right side of **RL GAIN ADJ** goes off one time. Release the “Search” button when the both two new numeric value has been updated. (It takes 5-6 seconds.)
5. Perform the Item 4 again. And confirm the numeric value is changed to new value.
6. Close the menu.

<Note>

1. Before “2-3. Motor Torque Offset Adjustment” is done, implement this adjustment.

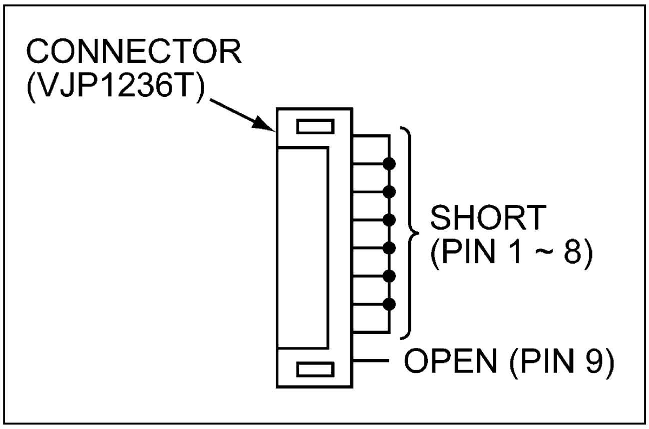
2-3. Motor Torque Offset Adjustment

BOARD	SERVO (F7)
TP	S,T REEL TABLE
ADJ.	SERVICE MENU
TAPE	-----
INPUT	-----
MODE	EJECT
M. EQ	VFK1191 (Dial Torque Gauge) VFK1152 (Dial Torque Gauge Adaptor)
SPEC.	0.16 ± 0.02 cNm (15g-cm ± 2g-cm) (5 times average)

1. Remove the Front Loading Unit. (Refer to SEC2 Disassembly Procedures)
2. Connect the Carriage tool (see the following figure) to connector P1 which is coming from the MECH. I/F board to Carriage board of the front loading unit.
3. Open the SERVICE MENU. (Refer to SEC1 Service Information.)
4. Select the **A00: SERVO ADJUSTS** and press the “SET” button to open the Servo Adjust menu.
5. Select the **A03: T TORQUE**.
6. Set a Dial Torque Gauge to top of Take-up Reel Table.
7. Press the “Search” button and measure the value of Dial Torque Gauge 5 times, then calculate the average and adjust “T TORQUE” with “Menu” so that the average is in the specification.

Note: While pressing the “Search” button, the REEL Table is rotated.

8. Select the item **A04: S TORQUE**.
9. Set a Dial Torque Gauge to top of Supply Reel Table.
10. Press the “Search” button and measure the value of Dial Torque Gauge 5 times, then calculate the average and adjust “S TORQUE” with “Menu” so that the average is in the specification.
11. Close the Menu.
12. Turn the Power switch to OFF.
13. Disconnect the carriage tool.
14. Install the Front Loading unit.



2-4. Tension Sensor Voltage Adjustment (1)

BOARD	SERVO (F7)
SPEC.	2.5V ± 0.05V
TP	TP201 (F-2)
ADJ.	VR1 (OFFSET) on the Mech. I/F board
MODE	EJECT
TOOL	Digital voltmeter

1. Connect the Digital voltmeter to TP201.
2. Adjust the VR1 on the Mech. I/F board so that the DC voltage is in the specification.

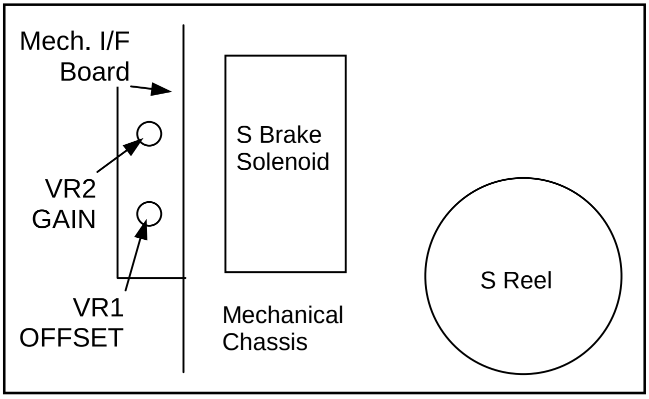

Mech. I/F
Board
VR2
GAIN
VR1
OFFSET
S Brake
Solenoid
Mechanical
Chassis
S Reel

Figure 2-4-1

2-5. Tension Sensor Voltage Adjustment (2)

BOARD	SERVO (F7)
SPEC.	Neutral position : 2.5V ± 0.1V PLAY position : 3.8V ± 0.05V
TP	TP201 (F-2)
ADJ.	Sensor Position, VR2 (GAIN)
MODE	EJECT
TOOL	Digital voltmeter, VFK1208 (Neutral Position Tool, Black with hole) VFK1156 (PLAY Position Tool, Black)

NOTE:

Do not use magnetized tweezers and screwdriver.

Do not touch the magnetize screwdriver to S-Reel FG magnet portion, while adjusting the lever (D) portion.

<Preparation> (See Figure 2-5-1)

1. Loosen the 2 screws and remove the Carriage Support Panel on the Front Loading Unit.
2. Disconnect the connector P3 on the Carriage Board of the Front Loading Unit.
3. Unscrew the 6 screws and remove the Top Plate on the Front Loading Unit as shown in figure 2-5-1.
4. Connect the Flexible cable to P3 on the Carriage Board of Front Loading Unit.

<Adjustment Procedure>

1. Open the SERVICE MENU.
2. Select the **A00: SERVO ADJUST** and press the “SET” button to open the SERVO ADJUST MENU.
3. Select the **A09 TENSION**.
4. Install the VFK1208 (black with hole) as shown in figure.
5. Connect the Digital voltmeter to TP201.
6. Rotate JOG dial clockwise pushing Search button so that the mechanism shift to Loading mode. (“on” mark is displayed on **A09 : TENSION**)
7. Confirm the DC voltage at TP201 is 2.5V ± 0.1V (Neutral position). If it is not, adjust the sensor position as follows.
   Loosen the screw (A) and move the lever (D) with tweezers. After adjusting, rotate JOG dial counter clockwise pushing Search button to set the unloading position.
8. Remove the VFK1208 (black with hole), and install the VFK1156 (Black) as same way as VFK1208.
9. Rotate JOG dial clockwise pushing Search buttom so that the mechanism shift to Loading mode. (“on” mark is displayed on **A09 : TENSION**)
10. Adjust the VR2 (GAIN) on the Mech. I/F board so that the DC voltage at TP201 is 3.8V ± 0.05V (PLAY position).
11. Close the Menu.

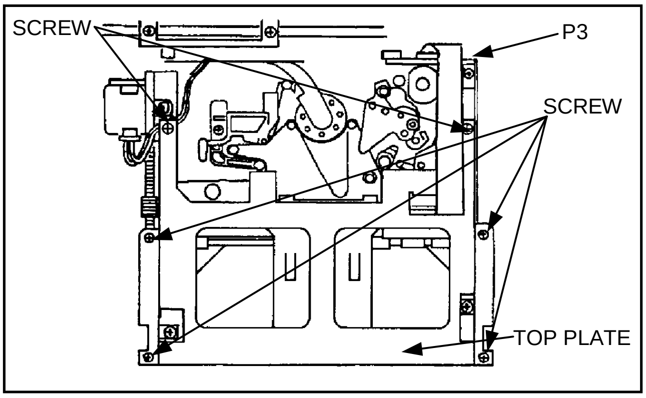

SCREW
P3
SCREW
TOP PLATE

Figure 2-5-1

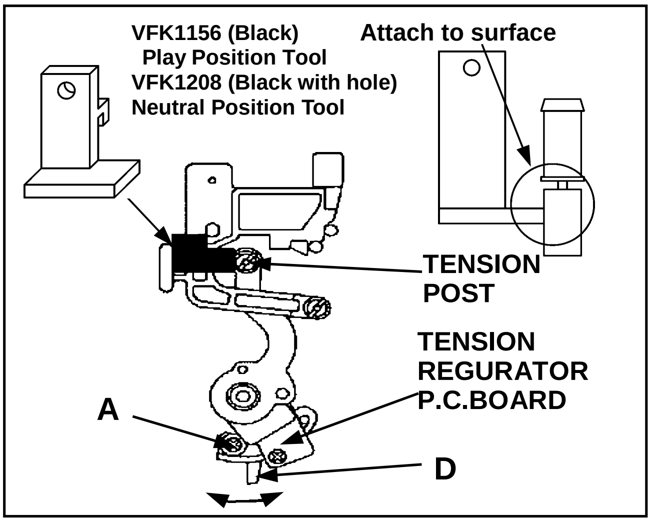

VFK1156 (Black)
Play Position Tool
VFK1208 (Black with hole)
Neutral Position Tool
Attach to surface
TENSION
POST
TENSION
REGURATOR
P.C.BOARD
A
D

Figure 2-5-2

2-6. PG Shifter Adjustment (50M)

BOARD	SERVO (F7)
TP	-----
ADJ.	Service Menu
TAPE	VFM3580KM/KL
INPUT	-----
MODE	Playback
M. EQ	-----
SPEC.	-----

1. Open the SERVICE MENU. (Refer to SEC1 Service Information.)
2. Select the **A00: SERVO ADJUST** and press the “SET” button to open the SERVO ADJUST MENU.
3. Select the **A05 PG SHIFT 50**.
4. Playback the color bar portion of the 25M alignment tape.
5. Press the “Search” button continuously until the numeric value displayed on the right side of PG shift 50 goes off one time. Release the “Search” button when the new numeric value has been updated.
6. Close the menu.

2-7. PG Shifter Adjustment (25M)

BOARD	SERVO (F7)
TP	-----
ADJ.	Service Menu
TAPE	VFM3580KM/KL
INPUT	-----
MODE	Playback
M. EQ	-----
SPEC.	-----

1. Open the SERVICE MENU. (Refer to SEC1 Service Information.)
2. Select the **A00: SERVO ADJUST** and press the “SET” button to open the SERVO ADJUST MENU.
3. Select the **A06 PG SHIFT 25**.
4. Playback the color bar portion of the 25M alignment tape.
5. Press the “Search” button continuously until the numeric value displayed on the right side of PG shift 25 goes off one time. Release the “Search” button when the new numeric value has been updated.
6. Close the menu.

3. RF/EQ (F8)

<Automatic Adjustment Procedure>

(Software)

This software is for Automatic RF Adjustment of DVCPRO50M Studio VTR, AJ-SD930 and AJ-SD955A.

< Function >

1) RF Adjustment (DVCPRO50M/ DVCPRO25M: Rec. and Play, DV: Play)
2) Checking of Error Rate
3) Download and Upload of EVR Data
4) Saving/ Loading the data of Error Rate and EVR
5) Printing the data of Error Rate and EVR

(Before Installation)

* PC Condition

OS : Windows95/ 98/ 98SE/ ME/ 2000 or Over
Display : Over 256 color (if lower than 256 color, the color may have the distortion)

* How to get this software

Download **"Automatic RF Adjustment Software (VFK1806)"** from Jig software page on BSD Web site.

* Installation Method

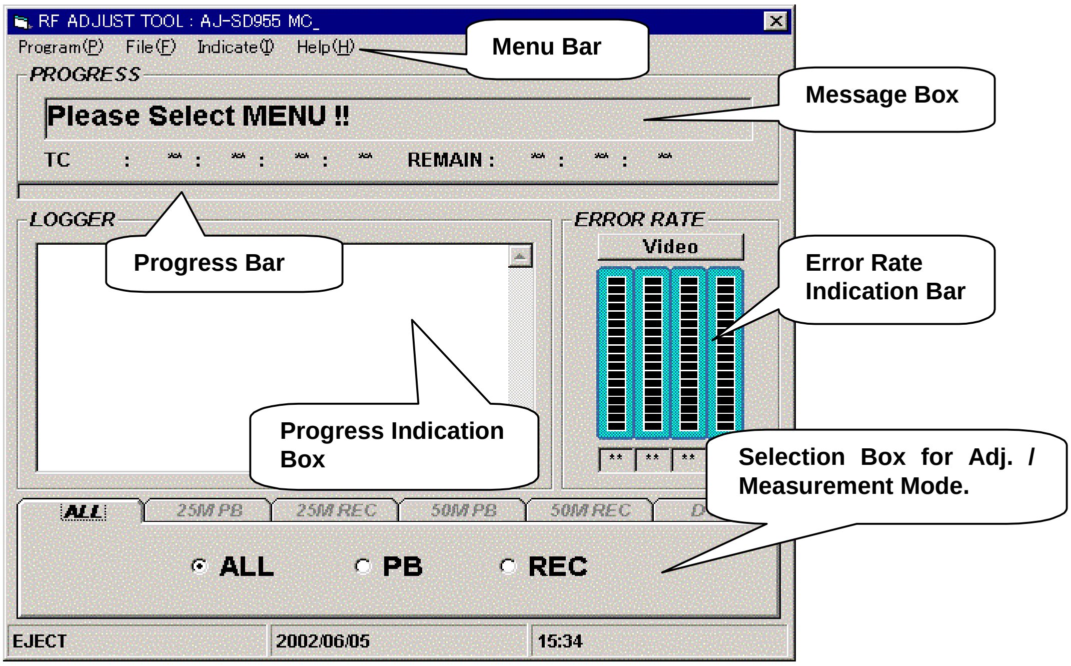
1) Extract the downloaded software.
2) Click **"setup.exe"**.
3) Follow the indication.

* Un-installation Method

Open **"Control Panel"** on Windows and use **"Add/Remove Programs"** to un-install this software.

(Explanation of Each Windows)

a) Main Window



RF ADJUST TOOL : AJ-SD955 MC_

Please Select MENU !!

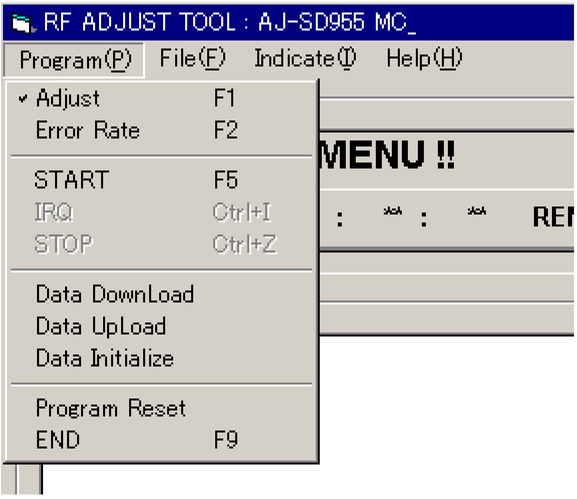
TC : ** : ** : ** : ** REMAIN : ** : ** : **

EJECT 2002/06/05 15:34

Program(P) File(F) Indicate(I) Help(H)
PROGRESS
LOGGER
ERROR RATE
Video
ALL 25M PB 25M REC 50M PB 50M REC D
● ALL ○ PB ○ REC
Menu Bar
Message Box
Progress Bar
Error Rate Indication Bar
Progress Indication Box
Selection Box for Adj. / Measurement Mode.

a-1) Explanation of Main window and menu bar.

1) Program Menu


RF ADJUST TOOL : AJ-SD955 MC_
Program(P) File(F) Indicate(I) Help(H)
✓ Adjust F1
Error Rate F2
START F5
IRQ Ctrl+I
STOP Ctrl+Z
Data DownLoad
Data UpLoad
Data Initialize
Program Reset
END F9
MENU !!
: ** : ** REI

[Adjust]
Adjustment program can be selected clicking this portion.

[Error Rate]
Error rate check can be selected clicking this portion.

[START]
Adjustment or Error rate checking can be started by clicking this portion.

[IRQ]
Break into the program during execution by clicking this portion. (It is effective, only on limited process.)

[STOP]
The program can be stopped, forcibly by clicking this portion.

[Data Download]
Receiving EVR data to PC from VTR connected (VTR to PC)

[Data Upload]
Transfer the RF adjustment data from PC to VTR for setting up. (PC to VTR)

* Data Upload can not be functioned unless **“Data Download”**, **“Load on File menu”** or **all adjustment program** is executed.

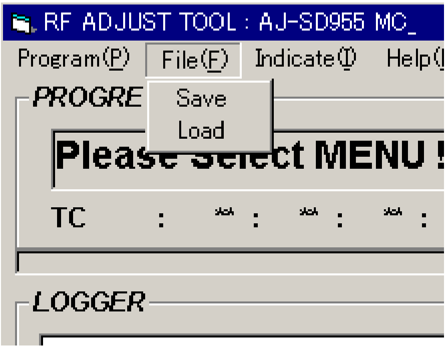
[Data Initialize (include Upload)]
Setting up the RF initial adjustment data into VTR connected.

[Program Reset]
All part of application program can be reset.

[END]
By clicking this portion, application software can be closed.

2) File menu

By clicking this, error rate data and EVR data can be processed as a file.


RF ADJUST TOOL : AJ-SD955 MC_
Program(P)
File(F)
Indicate(I)
Help(
PROGRE
Save
Load
Pleas
ct MENU !
TC : ** : ** : ** :
LOGGER

[Save]

Error rate and/or EVR data can be saved on the file.
During this mode, following file can be made. ***.dst

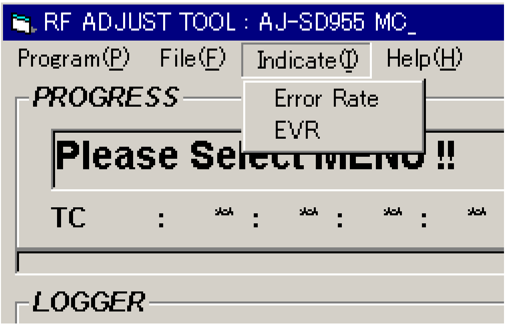
* This item can not be functioned unless **"Data Download"**, **"Load on File menu"** or **all adjustment program** is executed.

[Load]

Error rate and/ or EVR data can be loaded from the file (***.dst).

3) Indicate Menu

This is the menu which indicate ErrorRate/ EVR (Adjustment value)


RF ADJUST TOOL : AJ-SD955 MC_
Program(P)
File(F)
Indicate(I)
Help(H)
PROGRESS
Error Rate
EVR
Please Se
!!
TC : ** : ** : ** : **
LOGGER

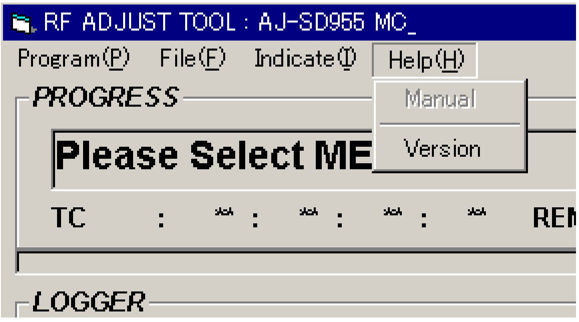
[Error Rate]

Error rate data can be displayed.

[EVR]

EVR data can be displayed.

4) Help Menu


RF ADJUST TOOL : AJ-SD955 MC_
Program(P)
File(F)
Indicate(I)
Help(H)
PROGRESS
Manual
Version
Please Select ME
TC : ** : ** : ** : ** REI
LOGGER

[Manual]

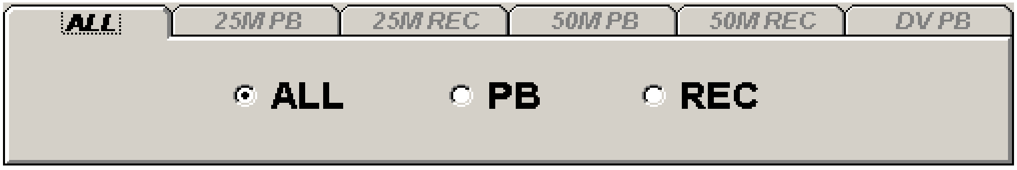
The Operating Instruction Manual for this software will be in this menu.
(Current software version doesn't have this function)

[Version]

Software version is displayed.

a-2) Adjustment/ Measurement item selection BOX

1) Selection of Adjustment/ Measurement category


ALL
25M PB
25M REC
50M PB
50M REC
DV PB
● ALL
○ PB
○ REC

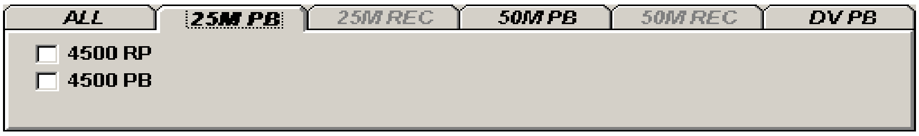
[ALL]
All items are selected.

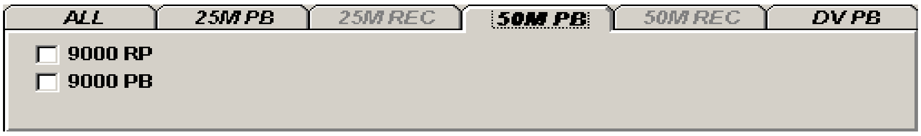
[PB]
Playback category is selected. 25M PB, 50M PB or DV PB can be individually selected.

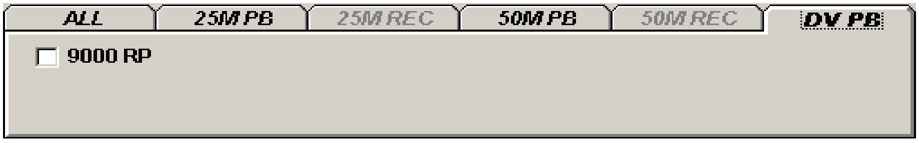
[REC]
Recording category is selected. 25M REC or 50M REC can be individually selected.

2) Selection of Playback category

Select each item according to the one which the adjustment (measurement) is required.
Check mark on the BOX shows that its item is selected (valid)

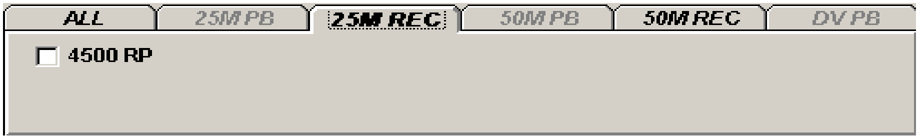

ALL
25M PB
25M REC
50M PB
50M REC
DV PB
☐ 4500 RP
☐ 4500 PB

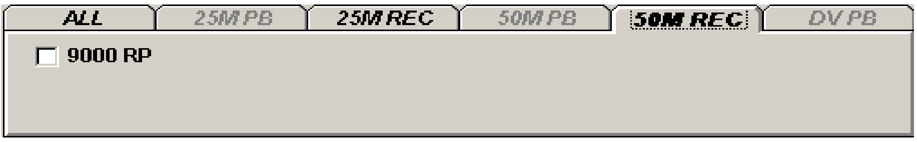

ALL
25M PB
25M REC
50M PB
50M REC
DV PB
☐ 9000 RP
☐ 9000 PB


ALL
25M PB
25M REC
50M PB
50M REC
DV PB
☐ 9000 RP

3) Selection of Recording Category

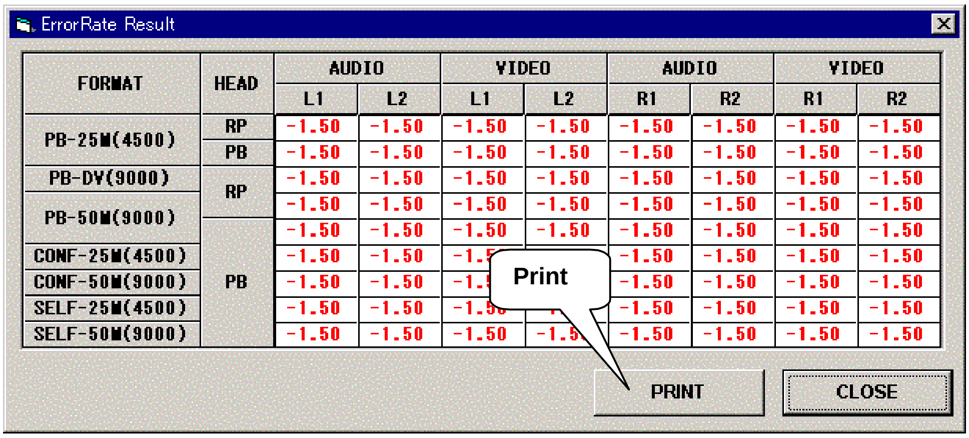
Select each item according to the one which the adjustment (measurement) is required.
Check mark on the BOX shows that its item is selected (valid)


ALL
25M PB
25M REC
50M PB
50M REC
DV PB
☐ 4500 RP


ALL
25M PB
25M REC
50M PB
50M REC
DV PB
☐ 9000 RP

b) The result of error rate

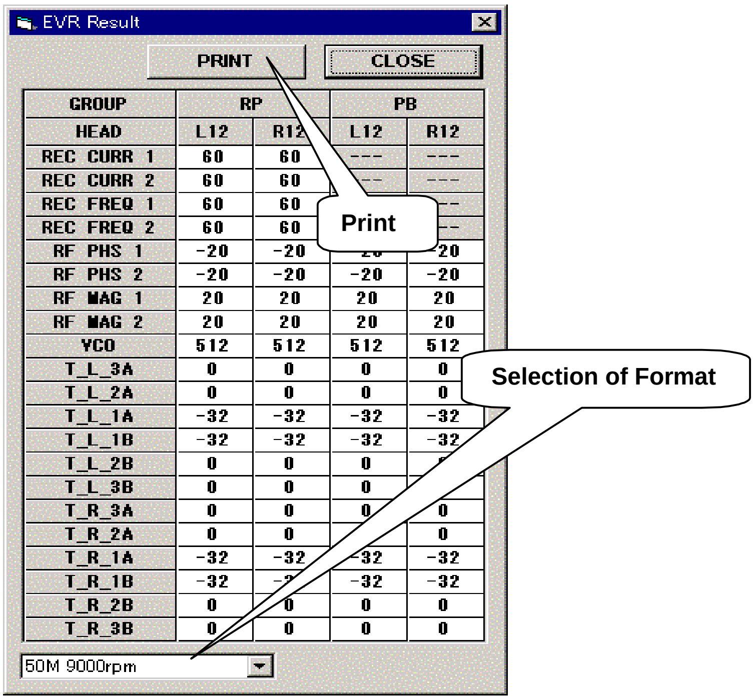
The error rate data can be displayed and printed.



FORMAT	HEAD	AUDIO L1	AUDIO L2	VIDEO L1	VIDEO L2	AUDIO R1	AUDIO R2	VIDEO R1	VIDEO R2
PB-25M(4500)	RP	-1.50	-1.50	-1.50	-1.50	-1.50	-1.50	-1.50	-1.50
	PB	-1.50	-1.50	-1.50	-1.50	-1.50	-1.50	-1.50	-1.50
PB-DV(9000)	RP	-1.50	-1.50	-1.50	-1.50	-1.50	-1.50	-1.50	-1.50
PB-50M(9000)		-1.50	-1.50	-1.50	-1.50	-1.50	-1.50	-1.50	-1.50
	PB	-1.50	-1.50	-1.50	-1.50	-1.50	-1.50	-1.50	-1.50
CONF-25M(4500)		-1.50	-1.50	-1.5	[illegible]	-1.50	-1.50	-1.50	-1.50
CONF-50M(9000)		-1.50	-1.50	-1.5	[illegible]	-1.50	-1.50	-1.50	-1.50
SELF-25M(4500)		-1.50	-1.50	-1.50	[illegible]	-1.50	-1.50	-1.50	-1.50
SELF-50M(9000)		-1.50	-1.50	-1.50	-1.5	-1.50	-1.50	-1.50	-1.50

c) EVR value Chart

The EVR value (adjustment data) can be displayed and printed.



GROUP	RP		PB	
HEAD	L12	R12	L12	R12
REC CURR 1	60	60	---	---
REC CURR 2	60	60	--	---
REC FREQ 1	60	60	[illegible]	--
REC FREQ 2	60	60	[illegible]	--
RF PHS 1	-20	-20	-20	-20
RF PHS 2	-20	-20	-20	-20
RF MAG 1	20	20	20	20
RF MAG 2	20	20	20	20
VCO	512	512	512	512
T_L_3A	0	0	0	0
T_L_2A	0	0	0	0
T_L_1A	-32	-32	-32	-32
T_L_1B	-32	-32	-32	-32
T_L_2B	0	0	0	0
T_L_3B	0	0	0	[illegible]
T_R_3A	0	0	0	0
T_R_2A	0	0	[illegible]	0
T_R_1A	-32	-32	-32	-32
T_R_1B	-32	-3	-32	-32
T_R_2B	0	0	0	0
T_R_3B	0	0	0	0

50M 9000rpm

(Auto EQ Adjustment Procedure)

A) Preparation

1) Connect the VTR with PC by RS232C cable (Cross cable) as below.

Connect the VTR with personal computer by RS232C cable (Cross cable) as below.

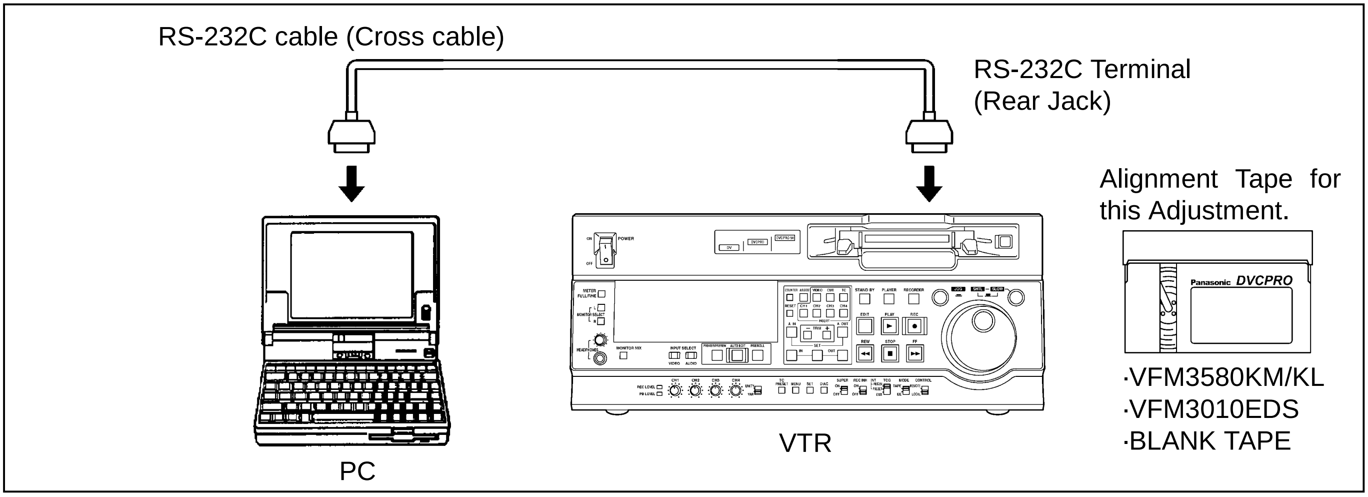
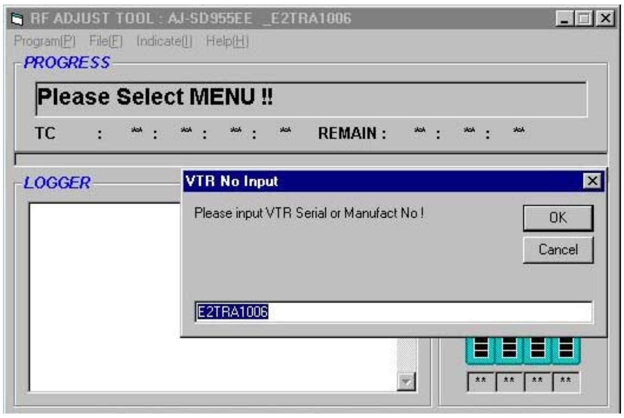

RS-232C cable (Cross cable)
RS-232C Terminal
(Rear Jack)
Alignment Tape for this Adjustment.
Panasonic DVCPRO
·VFM3580KM/KL
·VFM3010EDS
·BLANK TAPE
PC
VTR

Figure A

2) Turn the VTR power on.
3) Press the menu button to open the set-up menu.
4) Select 070 TV SYSTEM and set it to **"525"**.(only AJ-SD955A)
5) Select 204 RS232C SEL and set it to **"ON"**.
6) Set the LOCAL/ REMOTE SW to **"ON"**.

B) Excution of Software Application.

1) Confirm that the VTR power is on.
2) Select start → Program → Panasonic Tool → D955Rf in the Start menu program in PC.
3) Main screen of the application software appears.
4) Open the program menu and select as follows;
   Adjustment: Select **"Program → Adjust"**.
   Measurement: Select **"Program → Error Rate"**.
5) Select the item needed about adjustment & measurement from. Adjustment/ Measurement item selection BOX (refer to (a-2)).
6) Select **"Program → Start"**
7) Serial no is displayed. Press "OK" button. (The information on this window can be changed and added.)


RF ADJUST TOOL : AJ-SD955EE _E2TRA1006
Program(P) File(F) Indicate(I) Help(H)
PROGRESS
LOGGER
VTR No Input
OK
Cancel

Please Select MENU !!

TC : ** : ** : ** : ** REMAIN : ** : ** : **

Please input VTR Serial or Manufact No !

E2TRA1006

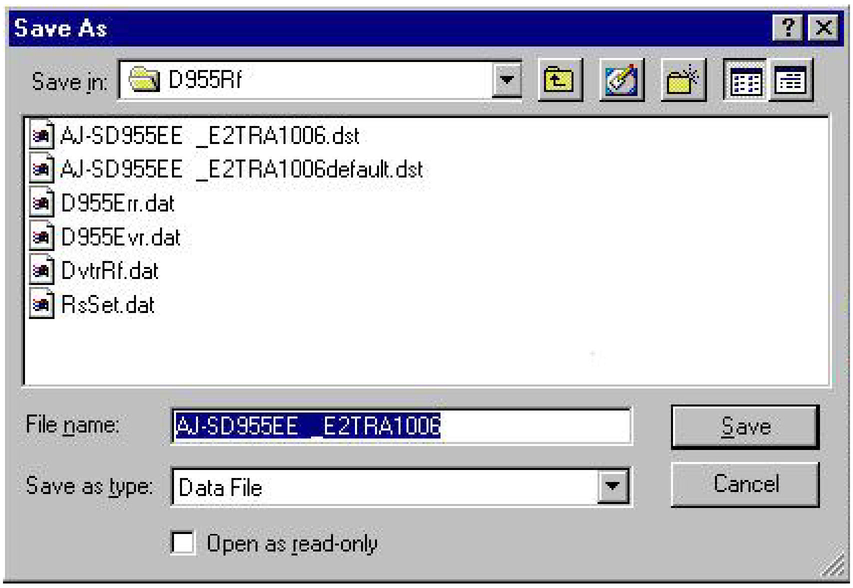
8) Follow the indication on the message box. Then adjustment is started automatically.
9) Error result is displayed after excuting the adjustment program. Press close button after confirming it.
10) Select **"File → Save"** in order to save the Error rate data & EVR data to PC. If it is not needed to save them, skip this process.

(Caution)

This item can not be functioned unless **"Data Download"**, **"Load on File menu"** or **all adjustment program** is excuted.

11) The screen of item (7) appears again. Press **"OK"** button if serial data information is not needed to change.

12) Following screen appears. Press **"SAVE"** button.


Save As
Save in:
D955Rf
AJ-SD955EE _E2TRA1006.dst
AJ-SD955EE _E2TRA1006default.dst
D955Err.dat
D955Evr.dat
DvtrRf.dat
RsSet.dat
File name:
AJ-SD955EE _E2TRA1006
Save as type:
Data File
Save
Cancel
☐ Open as read-only

(Reference)

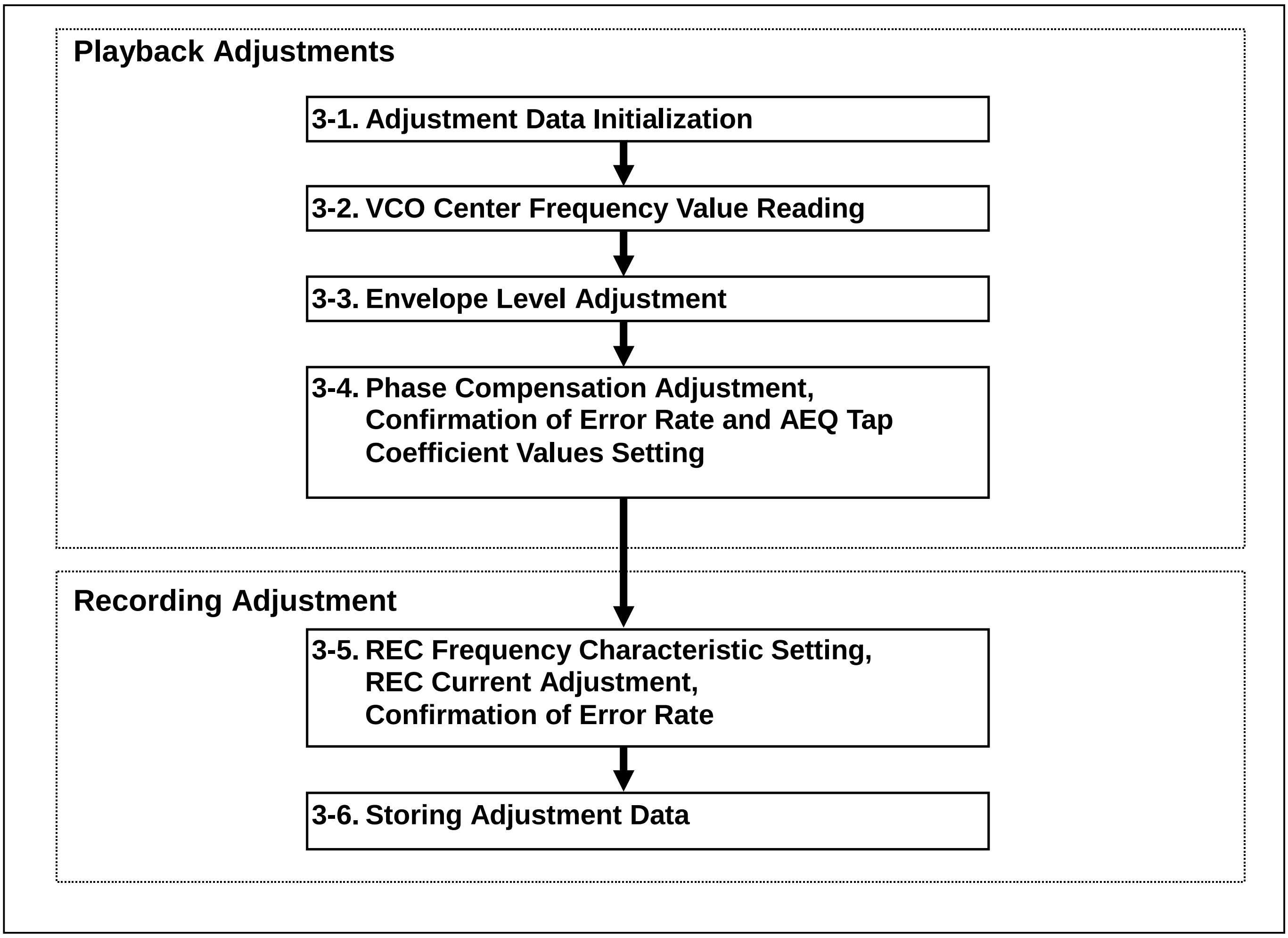
1) Storing the adjustment data by manual is not necessary because the adjustment data is automatically stored in the memory after finishing the Automatic Equalizer adjustment.
2) Select **"Program STOP"** if the program needs to be stopped.
3) Remaining time of the tape is monitored by this program. VTR automatically rewind the tape when the Tape remaining time isn't enough for adjustment or measurement. (Select **"Program → IRQ"** if need to stop REW mode.)

<Manual Adjustment Procedure>

The adjustment of this section is performed after adjusting the SERVO Board (F7).
Perform the initial setting before performing the adjustments of this section.

This adjustment mainly uses the Service Menu. The procedures for opening the menu, changing the settings and closing the menu are described in the Service Information (INF-32).

Perform the adjustments of these items according to the following flowchart.


Playback Adjustments
3-1. Adjustment Data Initialization
3-2. VCO Center Frequency Value Reading
3-3. Envelope Level Adjustment
3-4. Phase Compensation Adjustment, Confirmation of Error Rate and AEQ Tap Coefficient Values Setting
Recording Adjustment
3-5. REC Frequency Characteristic Setting, REC Current Adjustment, Confirmation of Error Rate
3-6. Storing Adjustment Data

3-1. Adjustment Data Initialization

Initialize the adjustment values for the following items before starting the adjustment. (It may not be possible to obtain the best values if the adjustment is performed without the initialized values.)

<For AJ-SD955A>

Set **"070 TV SYSTEM"** of the Setup Menu to **"525"**.

1. Insert the DVCPRO alignment tape. (VFM3580KM(L)).
2. Press the MENU button to open the Service Menu.
3. Open **"B00: RF ADJUST"** in the Service Menu.
4. Open **"P00: DVCPRO 50M ADJUST"** in the Service Menu.
5. Open **"P-4 DEFAULT"** in the Service Menu.
6. Select **"INIT LOAD"**. Press the SET button to complete the initialization of the 50M mode adjustment values.
7. Press the MENU button to return to the RF ADJUST menu.
8. Open **"Q00: DVCPRO 25M ADJUST"** in the Service Menu.
9. Open **"Q-4 DEFAULT"** in the Service Menu.
10. Select **"INIT LOAD"** and press the SET button to complete the initialization of the 25M mode adjustment values.
11. Press the MENU button to return to the RF ADJUST menu.
12. Open **"R00: DV ADJUST"** in the Service Menu.
13. Open **"R-4 DEFAULT"** in the Service Menu.
14. Select **"INIT LOAD"** and press the SET button to complete the initialization of the DV mode adjustment values.

3-2. VCO Center Frequency Value Reading

BOARD	RF/EQ (F8)
TP	-----
ADJ.	Service Menu
TAPE	-----
INPUT	-----
MODE	EJECT
M. EQ	-----
SPEC.	-----

<DVCPRO 50M ADJUST (PB)>

1. Open **B00: RF ADJUST** in the Service Menu.
2. Open **P00: DVCPRO 50M ADJUST** in the Service Menu.
3. Open **P-2: PB ADJUST** in the Service Menu.
4. Place the unit to Eject condition.
5. Select **P53: IC READ** and change the setting from **"OFF"** to **"SINGLE"**.
6. Press the SET button so that **P27, 28: VCO L(R)** adjustment value is automatically set. (Confirm that the **P27, 28: VCO L(R)** adjustment value is changed from default value)
7. Change the setting of **P53: IC READ** from **"SINGLE"** to **"OFF"** and press the **"SET"** button.

<DVCPRO 50M ADJUST (RP)>

1. Open **B00: RF ADJUST** in the Service Menu.
2. Open **P00: DVCPRO 50M ADJUST** in the Service Menu.
3. Open **P-3: RP ADJUST** in the Service Menu.
4. Place the unit to Eject condition.
5. Select **P53: IC READ** and change the setting from **"OFF"** to **"SINGLE"**.
6. Press the SET button so that **P27, 28: VCO L(R)** adjustment value is automatically set. (Confirm that the **P27, 28: VCO L(R)** adjustment value is changed from default value)
7. Change the setting of **P53: IC READ** from **"SINGLE"** to **"OFF"** and press the **"SET"** button.

<DVCPRO 25M ADJUST (PB)>

1. Open **B00: RF ADJUST** in the Service Menu.
2. Open **Q00: DVCPRO 25M ADJUST** in the Service Menu.
3. Open **Q-2: PB ADJUST** in the Service Menu.
4. Place the unit to Eject condition.
5. Select **Q53: IC READ** and change the setting from **"OFF"** to **"SINGLE"**.
6. Press the SET button so that **Q27, 28: VCO L(R)** adjustment value is automatically set. (Confirm that the **Q27, 28: VCO L(R)** adjustment value is changed from default value)
7. Change the setting of **Q53: IC READ** from **"SINGLE"** to **"OFF"** and press the **"SET"** button.

<DVCPRO 25M ADJUST (RP)>

1. Open **B00: RF ADJUST** in the Service Menu.
2. Open **Q00: DVCPRO 25M ADJUST** in the Service Menu.
3. Open **Q-3: RP ADJUST** in the Service Menu.
4. Place the unit to Eject condition.
5. Select **Q53: IC READ** and change the setting from **"OFF"** to **"SINGLE"**.
6. Press the SET button so that **Q27, 28: VCO L(R)** adjustment value is automatically set. (Confirm that the **Q27, 28: VCO L(R)** adjustment value is changed from default value)
7. Change the setting of **Q53: IC READ** from **"SINGLE"** to **"OFF"** and press the **"SET"** button.

<DV ADJUST>

1. Open **B00: RF ADJUST** in the Service Menu.
2. Open **R00: DV ADJUST** in the Service Menu.
3. Open **R-3: RP ADJUST** in the Service Menu.
4. Place the unit to Eject condition.
5. Select **R53: IC READ** and change the setting from **"OFF"** to **"SINGLE"**.
6. Press the SET button so that **R27, 28: VCO L(R)** adjustment value is automatically set. (Confirm that the **R27, 28: VCO L(R)** adjustment value is changed from default value)
7. Change the setting of **R53: IC READ** from **"SINGLE"** to **"OFF"** and press the **"SET"** button.

3-3. Envelope Level Adjustment

BOARD	RF/EQ (F8)
TP	TP5101 (EQ ENV) TP5702 (PBL HSW) TP6702 (RPL HSW)
ADJ.	Service Menu
TAPE	NTSC : VFM3580KM(L)/ VFM3010EMS (PAL : VFM3680KM(L)/ VFM3110EMS) Alignment Tape (Colour Bar)
INPUT	Internal SG (Color bar)
MODE	PLAY
M. EQ	Oscilloscope
SPEC.	A= 0.7VDC ± 0.1VDC (refer to figure 3-3-1)

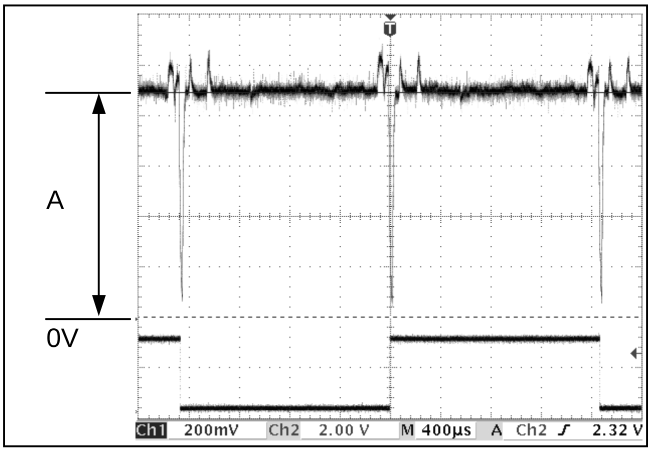


Figure.3-3-1

<<DVCPRO50 RF Envelope level Adjustment>>

1. Playback DVCPRO alignment tape.
2. Open **B00: RF ADJUST** in the Service Menu.
3. Open **P00: DVCPRO 50M ADJUST** in the Service Menu.
4. Open **P-2: PB ADJUST** in the Service Menu.

<DVCPRO 50M PB Envelope Adjustment>

5. Confirm that **P66: MONI KINDSEL** is selected to ENV.
6. Set the **P67: MONI CHSEL** to **PBL**.
7. Adjust **P03: MAGL1, P04: MAGL2** so that RF envelope level on TP5101 meet the SPEC. (A=0.7VDC ± 0.1VDC: refer to figure 3-3-1)
8. Set the **P67: MONI CHSEL** to **PBR**.
9. Adjust **P07: MAGR1, P08: MAGR2** so that RF envelope level on TP5101 meet the SPEC. (A=0. 7VDC ± 0.1VDC: refer to figure 3-3-1.)
10. Press menu button after pressing set button.

<DVCPRO 50M RP Envelope Adjustment>

11. Open **P-3 RP ADJUST** (DVCPRO50M RP) in the Service menu.
12. Confirm that **P66: MONI KINDSEL** is selected to ENV.
13. Set the **P67: MONI CHSEL** to **RPL**.
14. Adjust **P03: MAGL1, P04: MAGL2** so that RF envelope level on TP5101 meet the SPEC. (A=0. 7VDC ± 0.1VDC: refer to figure 3-3-1.)
15. Set the **P67:MONI CHSEL** to **RPR**.
16. Adjust **P07:MAGR1, P08:MAGR2** so that RF envelope level on TP5101 meet the SPEC. (A=0.7VDC ± 0.1VDC: refer to figure 3-3-1)
17. Press menu button twice after pressing set button.

<<DVCPRO25 RF Envelope level Adjustment>>

1. Playback DVCPRO alignment tape.
2. Open **B00: RF ADJUST** in the Service Menu.
3. Open **Q00: DVCPRO 25M ADJUST** in the Service Menu.
4. Open the **Q-2: PB ADJUST** in the Service Menu.

<DVCPRO 25M PB Envelope Adjustment>

5. Confirm that **P66: MONI KINDSEL** is selected to ENV.
6. Set the **P67: MONI CHSEL** to **PBL**.
7. Adjust **Q03: MAGL1, Q04: MAGL2** so that RF envelope level on TP5101 meet the SPEC. (A=0.7VDC ± 0.1VDC: refer to figure 3-3-1.)
8. Set the **P67: MONI CHSEL** to **PBR**.
9. Adjust **Q07: MAGR1, Q08: MAGR2** so that RF envelope level on TP5101 meet the SPEC. (A=0. 7VDC ± 0.1VDC: refer to figure 3-3-1.)
10. Press menu button after pressing set button.

<DVCPRO 25M RP Envelope Adjustment>

11. Open **Q-3 RP ADJUST** (DVCPRO50M RP) in the Service menu.
12. Confirm that **P66: MONI KINDSEL** is selected to ENV.
13. Set the **P67: MONI CHSEL** to **RPL**.
14. Adjust **Q03: MAGL1, Q04: MAGL2** so that RF envelope level on TP5101 meet the SPEC. (A=0. 7VDC ± 0.1VDC: refer to figure 3-3-1.)
15. Set the **P67:MONI CHSEL** to **RPR**.
16. Adjust **Q07:MAGR1, Q08:MAGR2** so that RF envelope level on TP5101 meet the SPEC. (A=0.7VDC ± 0.1VDC: refer to figure 3-3-1)
17. Press menu button twice after pressing set button.

<<DV RF Envelope level Adjustment>>

1. Playback DV alignment tape.
2. Open **B00: RF ADJUST** in the Service Menu.
3. Open **R00: DV ADJUST** in the Service Menu.
4. Open the **R-3: RP ADJUST** in the Service Menu.

<DV RPL Envelope Adjustment>

5. Confirm that **P66: MONI KINDSEL** is selected to ENV.
6. Set the **P67: MONI CHSEL** to **RPL**.
7. Set the **R71: TRACKING MOD-AUDIO_L**
8. Wait until Envelope level is maximized.
9. Adjust **R72: TRACKING VAL** so that Envelope level is maximized.
10. Adjust **R03:MAGL1, R04:MAGL2** so that RF envelope level on TP5101 meet the SPEC. (A=0.7VDC ± 0.1VDC: refer to figure 3-3-1.)

<DV RPR Envelope Adjustment>

11. Confirm that **R66: MONI KINDSEL** is selected to ENV.
12. Set the **R67: MONI CHSEL** to **RPR**
13. Set the **R71: TRACKING MOD-AUTO_R**
14. Wait until Envelope level is maximized.
15. Adjust **R72: TRACKING VAL** so that Envelope level is maximized.
16. Adjust **R07: MAGR1, R08:MAGR2** so that RF envelope level on TP5101 meet the SPEC. (A=0.7VDC ± 0.1VDC: refer to figure 3-3-1.)
17. Press menu button 4 times after pressing set button.

3-4. Phase Compensation Adjustment, Confirmation of Error Rate and AEQ Tap Coefficient Values Setting

BOARD	RF/EQ (F8)
TP	-----
ADJ.	Service Menu
TAPE	① Alignment Tape (Colour Bar) NTSC : VFM3580KM(L)/ VFM3010EMS (PAL : VFM3680KM(L)/ VFM3110EMS) ② Blank Tape
INPUT	-----
M. EQ	-----
SPEC.	Under the A position at level meter (refer to page ELE-7)

<<DVCPRO 50M Adjustment(PB)>>

1. Open **B00 RF ADJUST** in the Service Menu.
2. Open **P00 DVCPRO50M ADJUST** in the Service Menu.
3. Open **P-2 PB ADJUST** in the Service Menu.

<Phase Compensation Adjustment>

1. Playback the DVCPRO Alignment Tape.
2. Set the **P60: VITERBI MODE** to off.
3. Set the **P62: AEQ MODE** to off.
4. Set the **P73: ATF HEAD** to **PB**.
5. Adjust **P01: PHS L1** and **P02: PHS L2** so that the error rate is at the minimum level.
6. Adjust **P05: PHS R1** and **P06: PHS R2** so that the error rate is at the minimum level.
7. Press the SET button.

(Reference)

Increase the adjustment value until error rate becomes worst, then decrease it to make the error better. Error rate becomes better as the value is decreased, but it can not be improved after passing a certain point (point A). Find this point (adjustment value) and set the adjustment value to following value.

Final adjustment value
= Adjustment value at point A - 10

<Confirmation of error rate>

1. Set the **P60: VITERBI MODE** to **AUTO**.
2. Set the **P62: AEQ MODE** to **ON**.
3. Set the **P70: ERROR MODE** to **SLOW**.
4. Set the **P73: ATFHEAD** to **PB**.
5. Confirm that Error rate of Video & Audio meets the SPEC..(Refer to page ELE-18.)
6. If it is out of SPEC., adjust the error rate again.

<AEQ Tap Coefficient Setting>

1. Confirm that the **P60: VITERBI MODE** is set to AUTO.
2. Confirm that the **P62: AEQ MODE** is set to ON.
3. Confirm that the **P67: MONICHSEL** is set to OFF AEQ Tap Coefficient Setting can not be excuted if this menu is not set to OFF.
4. Select **P53: IC READ** and change the setting from **“OFF”** to **“SINGLE”**.
5. Press the SET button so that the value of P29-52 is automatically set. (Confirm that the the value of P29-52 is changed from default value)
6. Change the setting of **P53: ICREAD** from **“SINGLE”** to **“OFF”** and press the **“SET”** button.

<<DVCPRO50M ADJUST(RP)>>

1. Open **B00 RF ADJUST** in the Service Menu.
2. Open **P00 DVCPRO50M ADJUST** in the Service Menu.
3. Open **P-3 RP ADJUST** in the Service Menu.

<Phase Compensation Adjustment>

1. Playback the DVCPRO Alignment Tape.
2. Set the **P60: VITERBI MODE** to off.
3. Set the **P62: AEQ MODE** to off.
4. Set the **P73: ATF HEAD** to **RP**.
5. Adjust **P01: PHS L1** and **P02: PHS L2** so that the error rate is at the minimum level.
6. Adjust **P05: PHS R1** and **P06: PHS R2** so that the error rate is at the minimum level.
7. Press the SET button.

(Reference)

Increase the adjustment value until error rate becomes worst, then decrease it to make the error better. Error rate becomes better as the value is decreased, but it can not be improved after passing a certain point (point A). Find this point (adjustment value) and set the adjustment value to following value.

Final adjustment value
= Adjustment value at point A - 10

<Confirmation of error rate>

1. Set the **P60: VITERBI MODE** to **AUTO**.
2. Set the **P62: AEQ MODE** to **ON**.
3. Set the **P70: ERROR MODE** to **SLOW**.
4. Set the **P73: ATFHEAD** to **RP**.
5. Confirm that Error rate of Video & Audio meets the SPEC. (Refer to page ELE-18.)
6. If it is out of SPEC., adjust the error rate again.

<AEQ Tap Coefficient Setting>

1. Confirm that the **P60: VITERBI MODE** is set to AUTO.
2. Confirm that the **P62: AEQ MODE** is set to ON.
3. Confirm that the **P67: MONICHSEL** is set to OFF AEQ Tape Coefficient Setting can not be excuted if this menu is not set to OFF.
4. Select **P53: IC READ** and change the setting from **"OFF"** to **"SINGLE"**.
5. Press the SET button so that the value of P29-52 is automatically set. (Confirm that the value of P29-52 is changed from default value)
6. Change the setting of **P53: IC READ** from **"SINGLE"** to **"OFF"** and press the **"SET"** button.

<<DVCPRO 25M ADJUST(PB)>>

1. Open **B00 RF ADJUST** in the Service Menu.
2. Open **Q00 DVCPRO25M ADJUST** in the Service Menu.
3. Open **Q-2 PB ADJUST** in the Service Menu.

<Phase Compensation Adjustment>

1. Playback the DVCPRO Alignment Tape.
2. Set the **Q60: VITERBI MODE** to off.
3. Set the **Q62: AEQ MODE** to off.
4. Set the **Q73: ATF HEAD** to **PB**.
5. Adjust **Q01: PHS L1** and **Q02: PHS L2** so that the error rate is at the minimum level.
6. Adjust **Q05: PHS R1** and **Q06: PHS R2** so that the error rate is at the minimum level.
7. Press the SET button.

(Reference)

Increase the adjustment value until error rate becomes worst, then decrease it to make the error better. Error rate becomes better as the value is decreased, but it can not be improved after passing a certain point (point A). Find this point (adjustment value) and set the adjustment value to following value.

Final adjustment value
= Adjustment value at point A - 10

<Confirmation of error rate>

1. Set the **Q60: VITERBI MODE** to **AUTO**.
2. Set the **Q62: AEQ MODE** to **ON**.
3. Set the **Q70: ERROR MODE** to **SLOW**.
4. Set the **Q73: ATFHEAD** to **PB**.
5. Confirm that Error rate of Video & Audio meets the SPEC..(Refer to page ELE-18.)
6. If it is out of SPEC., adjust the error rate again.

<AEQ Tap Coefficient Setting>

1. Confirm that the **Q60: VITERBI MODE** is set to AUTO.
2. Confirm that the **Q62: AEQ MODE** is set to ON.
3. Confirm that the **Q67: MONICHSEL** is set to OFF AEQ Tape Coefficient Setting can not be excuted if this menu is not set to OFF.
4. Select **Q53: IC READ** and change the setting from **"OFF"** to **"SINGLE"**.
5. Press the SET button so that the value of Q29-52 is automatically set. (Confirm that the the value of Q29-52 is changed from default value)
6. Change the setting of **Q53: ICREAD** from **"SINGLE"** to **"OFF"** and press the **"SET"** button.

<<DVCPRO25M ADJUST(RP)>>

1. Open **B00 RF ADJUST** in the Service Menu.
2. Open **Q00 DVCPRO25M ADJUST** in the Service Menu.
3. Open **Q-3 RP ADJUST** in the Service Menu.

<Phase Compensation Adjustment>

1. Playback the DVCPRO Alignment Tape.
2. Set the **Q60: VITERBI MODE** to off.
3. Set the **Q62: AEQ MODE** to off.
4. Set the **Q73: ATF HEAD** to **PB**.
5. Adjust **Q01: PHS L1** and **Q02: PHS L2** so that the error rate is at the minimum level.
6. Adjust **Q05: PHS R1** and **Q06: PHS R2** so that the error rate is at the minimum level.
7. Press the SET button.

(Reference)

Increase the adjustment value until error rate becomes worst, then decrease it to make the error better. Error rate becomes better as the value is decreased, but it can not be improved after passing a certain point (point A). Find this point (adjustment value) and set the adjustment value to following value.

Final adjustment value
= Adjustment value at point A - 10

<Confirmation of error rate>

1. Set the **Q60: VITERBI MODE** to **AUTO**.
2. Set the **Q62: AEQ MODE** to **ON**.
3. Set the **Q70: ERROR MODE** to **SLOW**.
4. Set the **Q73: ATFHEAD** to **RP**.
5. Confirm that Error rate of Video & Audio meets the SPEC. (Refer to page ELE-18.)
6. If it is out of SPEC., adjust the error rate again.

<AEQ Tap Coefficient Setting>

1. Confirm that the **Q60: VITERBI MODE** is set to AUTO.
2. Confirm that the **Q62: AEQ MODE** is set to ON.
3. Confirm that the **Q67: MONICHSEL** is set to OFF AEQ Tape Coefficient Setting can not be excuted if this menu is not set to OFF.
4. Select **Q53: IC READ** and change the setting from **"OFF"** to **"SINGLE"**.
5. Press the SET button so that the value of Q29-52 is automatically set. (Confirm that the value of Q29-52 is changed from default value)
6. Change the setting of **Q53: ICREAD** from **"SINGLE"** to **"OFF"** and press the **"SET"** button.

<<DV ADJUST>>

1. Open **B00 RF ADJUST** in the Service Menu.
2. Open **R00 DV ADJUST** in the Service Menu.
3. Open **R-3 RP ADJUST** in the Service Menu.

<RPL Envelope MAX Tracking Adjustment>

1. Playback the DV Color bar Master Tape.
2. Confirm that **R66: MONI KINDSEL** is set to ENV.
3. Confirm that **R67: MONI CHSEL** is set to RPL.
4. Set the **R71: TRACKING** to **MOD-AUTO_L**.
5. Press STOP and then PLAY button.
6. Wait unit Envelope level become maximum.
7. Adjust **R72: TRACKING VAL** slightly so that Envelope level become Maximum.

<RPL Phase Compensation Adjustment>

1. Playback the DV Colorbar Master Alignment Tape.
2. Set the **R60: VITERBI MODE** to off.
3. Set the **R62: AEQ MODE** to off.
4. Adjust **R01: PHS L1** and **R02: PHS L2** so that the error rate is at the minimum level.
5. Press the SET button.

(Reference)

In case error rate is difficult to check because LED light on more than 15pcs, set the **R60: VITERBI MODE** to AUTO to adjust it.

<Confirmation of error rate>

1. Set the **R60: VITERBI MODE** to **AUTO**.
2. Set the **R62: AEQ MODE** to **ON**.
3. Set the **R70: ERROR MODE** to **SLOW**.
4. Confirm that Error rate of Video & Audio meets the SPEC..(Refer to page ELE-18.)
5. If it is out of SPEC., adjust the error rate again.

<AEQ Tap Coefficient (RPL) Setting>

1. Confirm that the **R60: VITERBI MODE** is set to AUTO.
2. Confirm that the **R62: AEQ MODE** is set to ON.
3. Set the **R71: TRACKING** to **MOD-AUTO_ L**.
4. Set the **R67: MONICHSEL** is set to OFF. AEQ Tape Coefficient Setting can not be excuted if this menu is not set to OFF.
5. Select **R53: IC READ** and change the setting from **“OFF”** to **“SINGLE”**.
6. Press the SET button so that the value of R29-40 is automatically set. (Confirm that the value of R29-40 is changed from default value)
7. Change the setting of **R53: IC READ** from **“SINGLE”** to **“OFF”** and press the **“SET”** button.

<RPR Envelope MAX Tracking Adjustment>

1. Playback the DV Color bar Master Tape.
2. Confirm that **R66: MONI KINDSEL** is set to ENV.
3. Confirm that **R67: MONI CHSEL** is set to RPR.
4. Set the **R71: TRACKING** to **MOD-AUTO_ R**.
5. Press STOP and then PLAY button.
6. Wait until Envelope level become maximum.
7. Adjust **R72: TRACKING VAL** slightly so that Envelope level become Maximun.

<RPR Phase Compensation Adjustment>

1. Playback the DV Colorbar Master Alignment Tape.
2. Set the **R60: VITERBI MODE** to off.
3. Set the **R62: AEQ MODE** to off.
4. Adjust **R01: PHS R1** and **R02: PHS R2** so that the error rate is at the minimum level.
5. Press the SET button.

(Reference)

In case error rate is difficult to check because LED light on more than 15pcs, set the **R60: VITERBI MODE** to **AUTO** to adjust it.

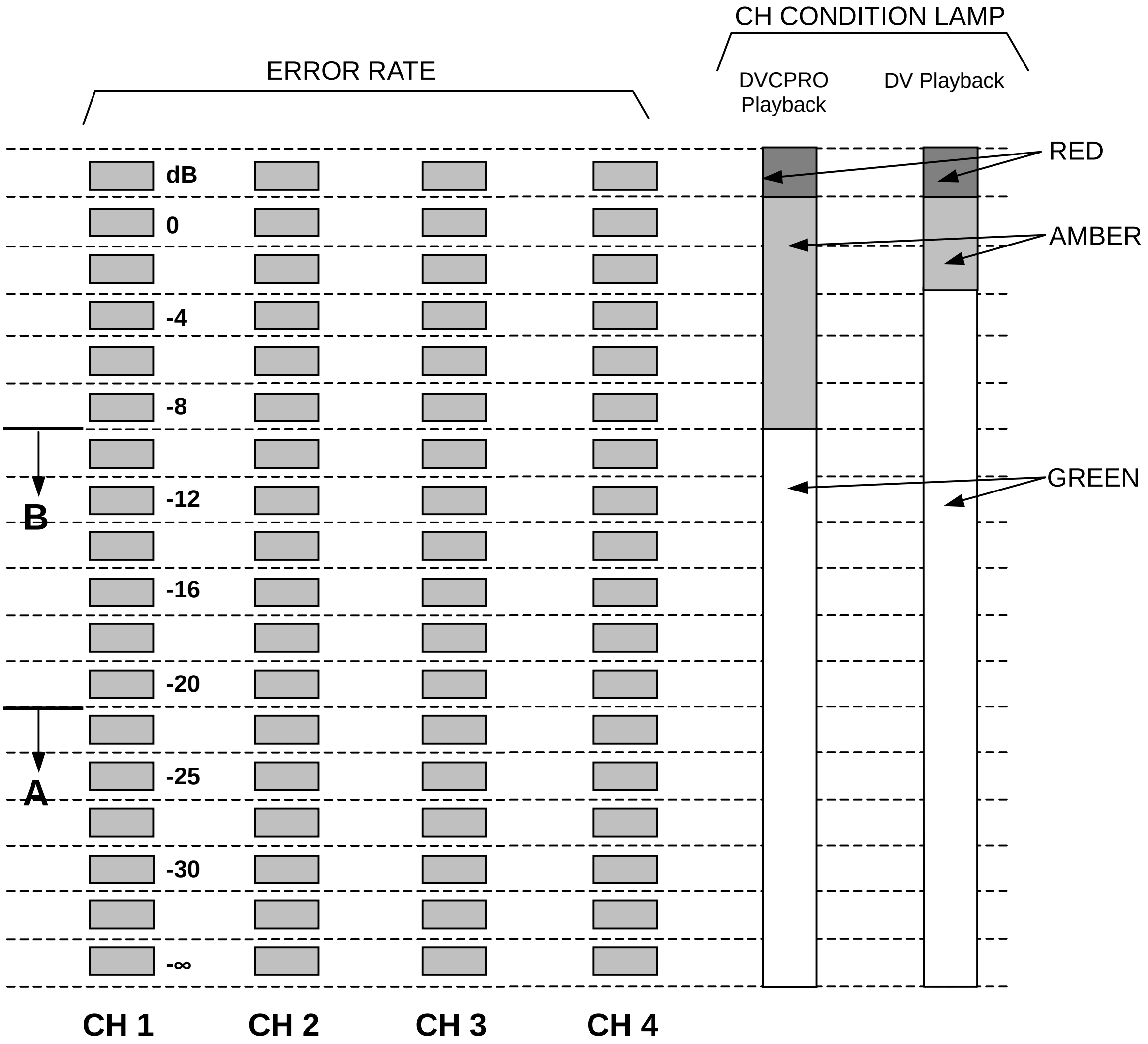
<Confirmation of error rate>

1. Set the **R60: VITERBI MODE** to **AUTO**.
2. Set the **R62: AEQ MODE** to **ON**.
3. Set the **R70: ERROR MODE** to **SLOW**.
4. Confirm that Error rate of Video & Audio meets the SPEC.. (Refer to page ELE-18.)
5. If it is out of SPEC., adjust the error rate again.

<AEQ Tap Coefficient (RPL) Setting>

1. Confirm that the **R60: VITERBI MODE** is set to AUTO.
2. Confirm that the **R62: AEQ MODE** is set to ON.
3. Set the **R71: TRACKING** to **MOD-AUTO_R**.
4. Set the **R67: MONI CHSEL** is set to OFF AEQ Tape Coefficient Setting can not be excuted if this menu is not set to OFF.
5. Select **R53: IC READ** and change the setting from **“OFF”** to **“SINGLE”**.
6. Press the SET button so that the value of R41-52 is automatically set. (Confirm that the value of R41-52 is changed from default value)
7. Change the setting of **R53: IC READ** from **“SINGLE”** to **“OFF”** and press the **“SET”** button.

Specification of Error Rate


CH CONDITION LAMP
ERROR RATE
DVCPRO Playback
DV Playback
RED
AMBER
GREEN
dB
0
-4
-8
-12
-16
-20
-25
-30
-∞
B
A
CH 1
CH 2
CH 3
CH 4

DVCPRO50/DVCPRO25

ATF HEAD	TCG SW	CH 1	CH 2	CH 3	CH 4
PB	INT REGEN	PBL1 VIDEO	PBL2 VIDEO	PBR1 VIDEO	PBR2 VIDEO
	INT PRESET	PBL1 AUDIO	PBL2 AUDIO	PBR1 AUDIO	PBR2 AUDIO
RP	INT REGEN	RPL1 VIDEO	RPL2 VIDEO	RPR1 VIDEO	RPR2 VIDEO
	INT PRESET	RPL1 AUDIO	RPL2 AUDIO	RPR1 AUDIO	RPR2 AUDIO

DV

ATF HEAD	TCG SW	CH 1	CH 2	CH 3	CH 4
RP	INT REGEN	RPL1 VIDEO	RPL2 VIDEO	RPR1 VIDEO	RPR2 VIDEO
	INT PRESET	RPL1 AUDIO	RPL2 AUDIO	RPR1 AUDIO	RPR2 AUDIO

TCG SW

INT REGEN	VIDEO Error rate is displayed
INT PRESET	AUDIO Error rate is displayed

Specification of Error Rate

	VTR mode	Specification of Error Rate
DVCPRO (PB)	DVCPRO (PB Head) alignment tape playback	Under the “A” position at level meter
DV (R/P)	DV (RP Head) Alignment tape playback	Under the “A” position at level meter
DVCPRO (Confi)	DVCPRO confidence playback (REC mode)	Under the “B” position at level meter

3-5. REC Frequency Characteristic Setting, REC Current Adjustment, Confirmation of Error Rate

1. There are 8 pcs of adjustment point for Recording Current.
   Each adjustment menu and TP for the adjustment is described in Chart 3-5-1.

Adjustment item	Input	Menu		Spectrum Analyzer		
				TP	EXT TRG	Setting
50M L1 Rec Current	INTERNAL COLOR BAR	B00: RF ADJUST P00: DVCPRO 50M ADJUST P-1: REC ADJUST	P01: RECCURR L1	TP5301 EQ2RF	TP5702 HSWEQ2	REG1 REG3
50M L2 Rec Current			P02: RECCURR L2			
50M R1 Rec Current			P05: RECCURR R1	TP5501 EQ3RF	TP5802 HSWEQ3	
50M R2 Rec Current			P06: RECCURR R2			
25M L1 Rec Current	INTERNAL COLOR BAR	B00: RF ADJUST Q00: DVCPRO 25M ADJUST Q-1: REC ADJUST	Q01: RECCURR L1	TP5301 EQ2RF	TP5702 HSWEQ2	REG2 REG4
25M L2 Rec Current			Q02: RECCURR L2			
25M R1 Rec Current			Q05: RECCURR R1	TP5501 EQ3RF	TP5802 HSWEQ3	
25M R2 Rec Current			Q06: RECCURR R2			

Chart 3-5-1

2. Following are the setting for the Spectrum analyzer.

	REG1	REG2
RES BW	1MHz	1MHz
VIDEO BW	3KHz	3KHz
SWEEP TIME	20msec	20msec
ATTEN	10dB	10dB
CENTER FREQ	4MHz	2MHz
FREQ SPAN	0MHz	0MHz
REF LEVEL	-20dB	-20dB
SCALE dB/DIV	5dB	5dB
TRIGGER	EXT	EXT

Chart 3-5-2

	REG3	REG4
RES BW	1MHz	1MHz
VIDEO BW	3KHz	3KHz
SWEEP TIME	200msec	150msec
ATTEN	10dB	10dB
CENTER FREQ	0Hz	0Hz
FREQ SPAN	40MHz	20MHz
REF LEVEL	-20dB	-20dB
SCALE dB/DIV	5dB	5dB
TRIGGER	EXT	EXT

Chart 3-5-3

*50Ω coaxial cable should be connected to INPUT terminal of Spectrum Analyzer.

3. All adjustment should be done with following mode.
   Q60P60 VITERBI: AUTO
   Q62P62: AEQ MODE : ON

<Adjustment for DVCPRO50 mode>

1. Set the Spectrum analyzer to REG1.(refer to Chart 3-5-2)
2. Set the Service menu to DVCPRO50 REC ADJUST menu.
3. Execute following adjustment for each head. (L1, L2, R1, R2)
4. Confirm that the value of REC FREQ is set to **"60"**.
5. Set the value of REC CURR to "100".
6. Insert the blank tape and place the unit to recording mode.
7. Save the confidencial playback spectrum to Trace B.
8. Decrease the value of RECCURR so that the confidencial playback spectrum meets the following SPEC. and memorize this menu value (Value A).
   The confidencial playback spectrum =TraceB - 5db ± 1db.
9. Add **"130"** to Value A. (This value will be the adjustment value of RECCURR.)
   ex) If the value A is **"-67"**, **"-67+130=63"** will be the adjustment value of RECCURR.
10. Press the SET button.
11. Execute another head of adjustment too. (Each head (L1, L2, R1, R2) should be adjusted)
12. Set the **P70: ERROR MODE** to SLOW and confirm that Error rate at confidencial playback mode meets the SPEC.. (Refer to ELE-18)
13. Set the Spectrum analyzer to REG3. (refer to Chart 3-5-3)
14. Record approximately one minute and play it back.
15. Confirm that error rate at selfrecording playback mode meets the SPEC.. (Refer to page ELE-18)
16. Save the selfrecording playback spectrum to Trace B.
17. Playback the DVCPRO alignment tape and save the spectrum to Trace A.
18. Make sure that the difference of the each level at 4MHZ portion between selfrecording playback spectrum (Trace B) and playback spectrum (Trace A) meets the following SPEC..
    The difference of the each level : 0db ± 2db

<Adjustment for DVCPRO25 mode>

1. Set the Spectrum analyzer to REG2.(refer to Chart 3-5-2)
2. Set the Service menu to DVCPRO25 REC ADJUST menu.
3. Execute following adjustment for each head. (L1, L2, R1, R2)
4. Confirm that the value of REC FREQ is set to **“0”**.
5. Set the value of REC CURR to **“100”**.
6. Insert the blank tape and place the unit to recording mode.
7. Save the confidencial playback spectrum to Trace B.
8. Decrease the value of RECCURR so that the confidencial playback spectrum meets the following SPEC. and memorize this menu value (Value A).
   The confidencial playback spectrum =TraceB - 5db ± 1db.
9. Add **“130”** to Value A. (This value will be the adjustment value of RECCURR.)
   ex) If the value A is **“-67”**, **“-67+130=63”** will be the adjustment value of RECCURR.
10. Press the SET button.
11. Execute another head of adjustment too. (Each head (L1,L2,R1,R2) should be adjusted)
12. Set the **Q70: ERROR MODE** to SLOW and confirm that Error rate at confidencial playback mode meets the SPEC.. (Refer to page ELE-18)
13. Set the Spectrum analyzer to REG4. (refer to Chart 3-5-3)
14. Record approximately one minute and play it back.
15. Confirm that error rate at selfrecording playback mode meets the SPEC.. (Refer to page ELE-18)
16. Save the selfrecording playback spectrum to Trace B.
17. Playback the DVCPRO alignment tape and save the spectrum to Trace A.
18. Make sure that the difference of the each level at 4MHZ portion between selfrecording playback spectrum (Trace B) and playback spectrum (Trace A) meets the following SPEC..
    The difference of the each level : 0db ± 2db

3-6. Storing Adjustment Data

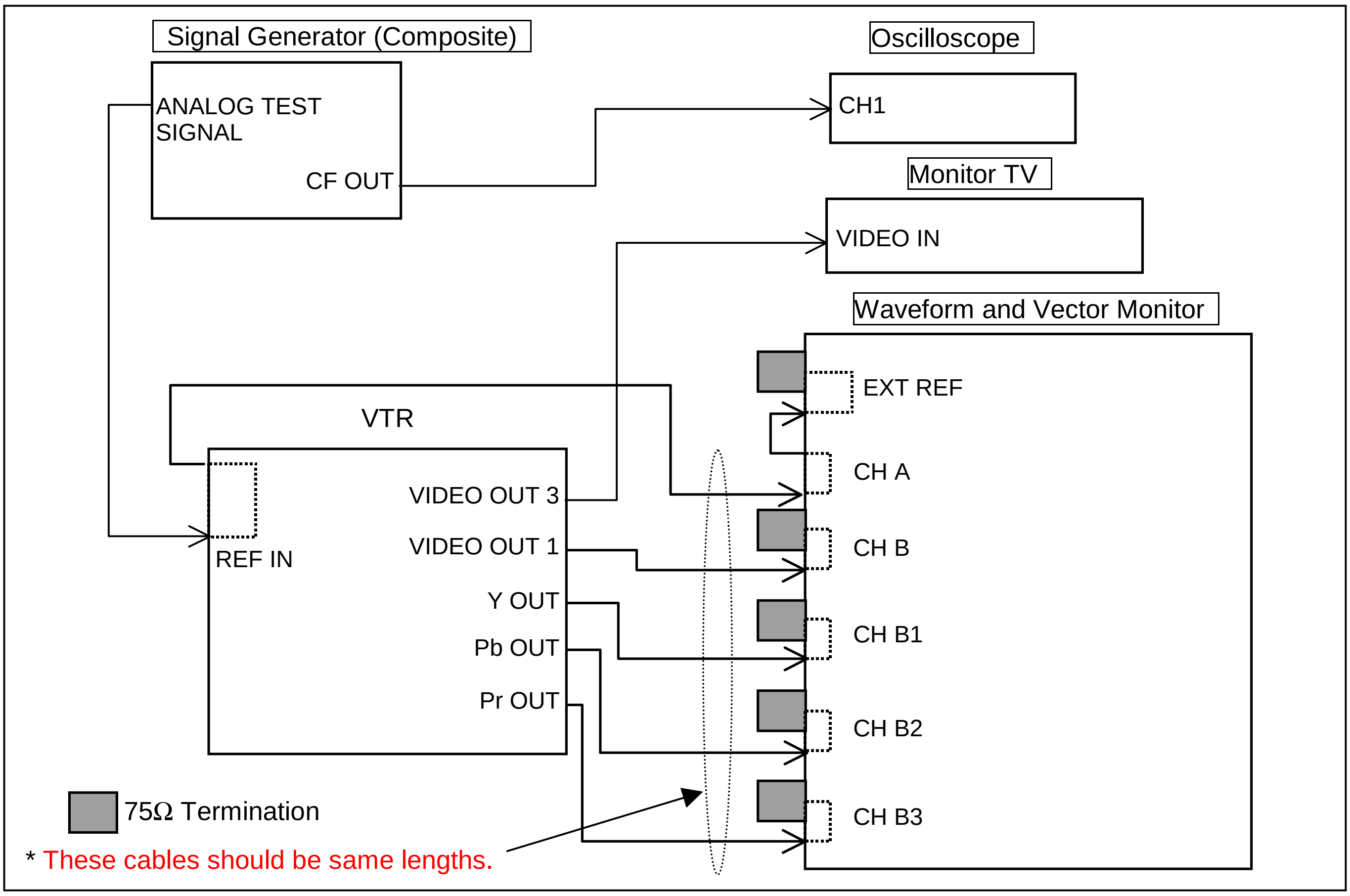
Store the adjustment values for the following items after the adjustment is completed.

1. Insert the DVCPRO alignment tape (VFM3580KM(L)).
2. Open the Service Menu.
3. Open **B00: RF ADJUST** in the Service Menu.
4. Open **P00: DVCPRO 50M ADJUST** in the Service Menu.
5. Select **P-4: DEFAULT** in the Service Menu.
6. Select **SAVE** and press the SET button to save the 50M mode adjustment values.
7. Press the MENU button to return to the RF ADJUST menu.
8. Open **Q00: DVCPRO 25M ADJUST** in the Service Menu.
9. Select **Q-4: DEFAULT** in the Service Menu.
10. Select **SAVE** and press the SET button to save the 25M mode adjustment values.
11. Press the MENU button to return to the RF ADJUST menu.
12. Open **R00: DV ADJUST** in the Service Menu.
13. Select **R-5: DEFAULT** in the Service Menu.
14. Select **SAVE** and press the SET button to save the DV mode adjustment values.

4. V OUT (F5)

- 4-1. Connection
- 4-2. Reference PLL Center Frequency Adjustment (1)
- 4-3. Reference CF Detection Adjustment (1)
- 4-4. Composite Sync DC Level Adjustment
- 4-5. Composite Y Level Adjustment
- 4-6. Composite Frequency Chanacteristic Adjustment
- 4-7. Composite YC gain & Delay Adjustment
- 4-8. Composite SCH Adjustment (1)
- 4-9. System Sub-Carrier Phase Adjustment (1)
- 4-10. Component Sync DC Adjustment
- 4-11. Component Y Level Adjustment
- 4-12. Component Frequency Characteristic Adjustment
- 4-13. Component Pb Level Adjustment
- 4-14. Component Pr Level Adjustment
- 4-15. Component Y-Pb Timing Adjustment
- 4-16. Component Y-Pr Timing Adjustment
- 4-17. Component Pb Frequency Characteristic Adjustment
- 4-18. Component Pr Frequency Characteristic Adjustment
- 4-19. Reference PLL Center Frequency Adjustment (2)
- 4-20. Reference CF Detection Adjustment (2)
- 4-21. Composite SCH Adjustment (2)
- 4-22. System Sub-Carrier Phase Adjustment (2)

4-1. Connection


Signal Generator (Composite)
ANALOG TEST SIGNAL
CF OUT
Oscilloscope
CH1
Monitor TV
VIDEO IN
Waveform and Vector Monitor
EXT REF
CH A
CH B
CH B1
CH B2
CH B3
VTR
REF IN
VIDEO OUT 3
VIDEO OUT 1
Y OUT
Pb OUT
Pr OUT
75Ω Termination

* These cables should be same lengths.

<Preparation>

1. Before starting this section, it needs aging more than 15 minutes.
2. Set menu setting of SYSTEM menu as follows. Before that, note the current setting, and after finishing all adjustment of this section, set to the original (current) setting.
   00 WFM SEL : 0002 VIDEO
   10 ENCODER SEL : 0001 LOCAL
   11 SYS SC COAR. : 0000 0
   12 SYS SC FINE : 0128 0
   13 SYS H : 0128 0
   14 SCH COARSE : 0000 0
   15 SCH FINE : 0032 0
   16 AV PHASE : 0128 0
   18 SYS H OFFSET : 0003 0
   19 SYS SC/H : 0000 REMOTE
   22 VIDEO LEVEL : 0128 0
   23 SET UP LEVEL : 0128 0
   24 CHROMA PHASE : 0128 0
   25 CHROMA LEVEL : 0128 0
   30 MENU LOCK : 0000 OFF
3. Set menu setting of SETUP menu as follows.
   070 TV SYSTEM : 525(Only AJ-SD955A)
   614 PB/PR OUT LV : B-CAM
   623 SETUP 50 / 622 SETUP 25
      00 CMPST IN : THRU
      01 CMPST OUT : THRU
      02 CMPNT IN : THRU
      03 CMPNT OUT : THRU
4. Set menu setting of SERVICE menu as follows.
   F00 VIDEO ADJUST
      F11 V SETUP : ON

4-2. Reference PLL Center Frequency Adjustment (1)

BOARD	V OUT (F5)
TP	TP153 (VCO)[F-2]
ADJ.	VC701 (FREQ ADJ M)[E-2]
TAPE	-----
INPUT	Internal SG (CB100)
MODE	-----
M. EQ	Frequency Counter
SPEC.	14.318180MHz ±10Hz

1. Disconnect the REF IN terminal. (No reference signal)
2. Connect the frequency counter to TP153.
3. Adjust VC701 so that the frequency at the TP153 is in the specification.

<Note>

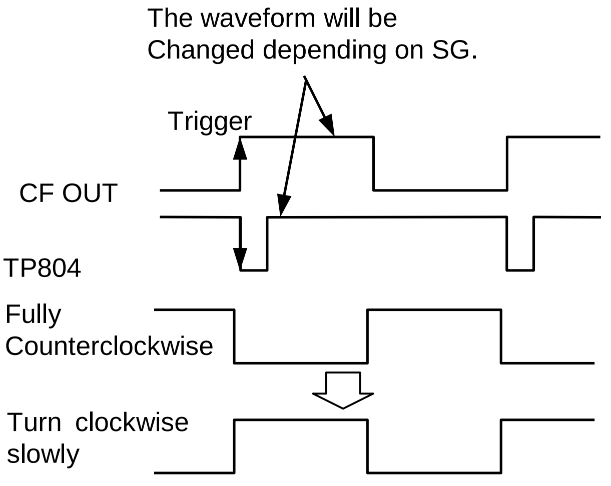
When the hand and so on approach too much near VC701 in adjustment, the DC voltage sometimes shifts.

After finishing this adjustment, connect REF IN terminal again for next adjustment.

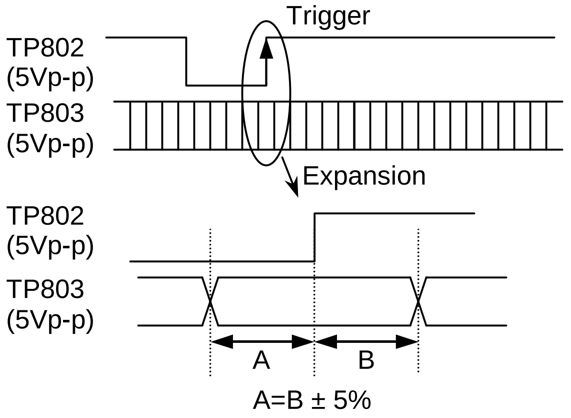
4-3. Reference CF Detection Adjustment (1)

BOARD	V OUT (F5)
TP	CF OUT of Composite Signal generator TP804(CF)[B-2], TP802(CF TP2)[A-1], TP803(CF TP1)[A-1]
ADJ.	VR600 (CF ADJ M)
TAPE	-----
INPUT	REF VIDEO IN Internal SG (CB75)
MODE	-----
M. EQ	Oscilloscope
SPEC.	See Figure, A=B ± 5%

1. Connect the oscilloscope CH1 to the CF output of composite signal generator and CH2 to TP804.
2. Set VR600 to fully counterclockwise.
3. Turn it to clockwise slowly until the phase is reversed as shown in figure.
   And confirm that the "SCH" lamp on the front panel is turned on.



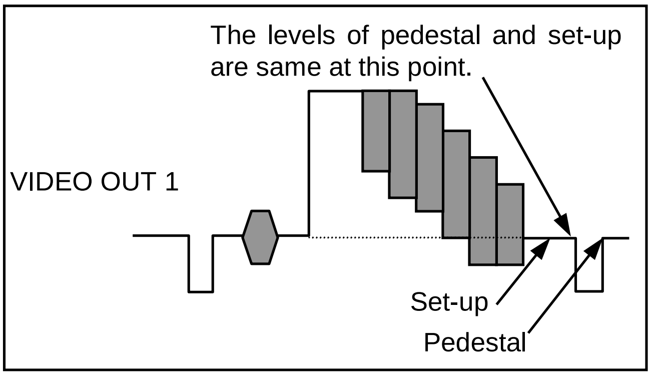
4. Connect the oscilloscope CH1 to TP802 and CH2 to TP803.
5. Expand (delay) the rising edge of TP802.
6. Slowly and slightly rotate VR600 so that the rising edge of TP802 is positioned at the center of cross point between A and B of waveform at TP803.



4-4. Composite Sync DC Level Adjustment

BOARD	V OUT (F5)
TP	VIDEO OUT 1 (CH B)
ADJ.	D06:SITE SYNC DC (Service Menu)
TAPE	525(NTSC): VFM3580KM (L) Alignment Tape (Color Bar / 7:00 – 14:00)
INPUT	------
MODE	PLAY
M. EQ	Analog WFM
SPEC.	SET-UP LEVEL = PEDESTAL LEVEL ± 3mV

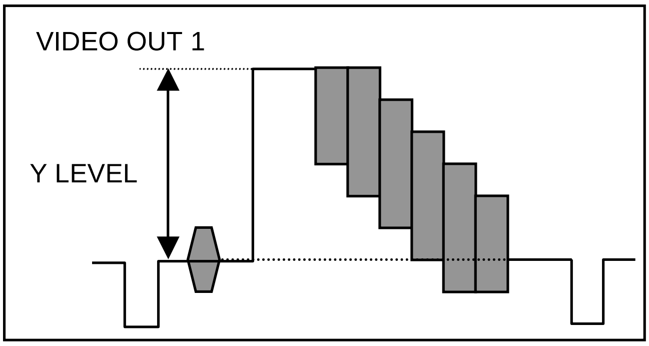
1. Open the SERVICE MENU. (Refer to SEC1 Service Information.)
2. Select the **D00: VOUT ADJUST** and press the “SET” button to open the VOUT ADJUST MENU.
3. Select the **D-2: CMPST ADJUST** and press the “SET” button.
4. Play back the alignment tape at the color bar portion (7:00 – 14:00).
5. Adjust **D06: SITE SYNC DC** so that the set-up level is the same level as the pedestal level.



4-5. Composite Y Level Adjustment

BOARD	V OUT (F5)
TP	VIDEO OUT 1 (CH B)
ADJ.	D01:SITE Y LEV (Service Menu) D03:SITE Y SETUP (Service Menu)
TAPE	525(NTSC): VFM3580KM (L) Alignment Tape (Color Bar / 7:00 – 14:00)
INPUT	-----
MODE	PLAY
M. EQ	Analog WFM
SPEC.	Y Level = 714 ± 3mV

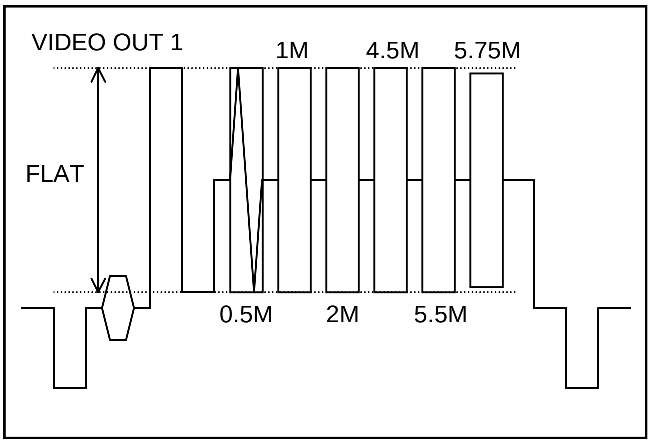
1. Open the SERVICE MENU. (Refer to SEC1 Service Information.)
2. Select the **D00: VOUT ADJUST** and press the “SET” button to open the VOUT ADJUST MENU.
3. Select the **D-2: CMPST ADJUST** and press the “SET” button.
4. Play back the alignment tape at the color bar portion (7:00 – 14:00).
5. Adjust **D01: SITE Y LEV** so that the Y level is in the specification.
6. Open the SETUP MENU.
7. Select the **622: SETUP 25** and press the “STOP” button to open the SETUP 50 SUB MENU.
8. Set the **01: CMPST OUT** to **ADD**.
9. Adjust **D03: SITE Y SETUP** in the service menu (D00:VOUT ADJUST) so that the Y level is in the specification.
10. Set the **01: CMPST OUT** to **THRU**.



4-6. Composite Frequency Characteristic Adjustment

BOARD	V OUT (F5)
TP	VIDEO OUT 1 (CH B)
ADJ.	D02:SITE Y FREQ (Service Menu)
TAPE	525(NTSC): VFM3380KM Alignment Tape (Multiburst 10:00-13:00)
INPUT	------
MODE	PLAY
M. EQ	Analog WFM
SPEC.	0-5.5MHz : ±0.5dB / 5.75MHz : ±1dB

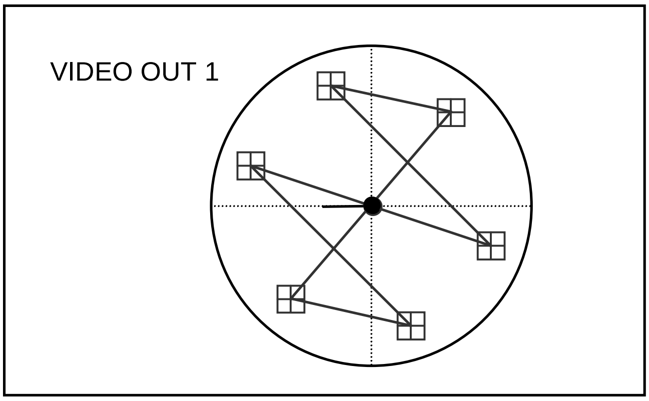
1. Open the SERVICE MENU. (Refer to SEC1 Service Information.)
2. Select the **D00: VOUT ADJUST** and press the “SET” button to open the VOUT ADJUST MENU.
3. Select the **D-2: CMPST ADJUST** and press the “SET” button.
4. Play back the alignment tape at the MULTIBURST portion (10:00-13:00).
5. Adjust **D02: SITE Y FREQ** so that the 0-5.5MHz portion is flat as shown bellow.



4-7. Composite YC gain & Delay Adjustment

BOARD	V OUT (F5)
TP	VIDEO OUT 1 (CH B)
ADJ.	D04:SITE C LEV D05:SITE C TMG (Service Menu)
TAPE	525(NTSC): VFM3580KM (L) Alignment Tape (Color Bar / 7:00 – 14:00)
INPUT	-----
MODE	PLAY
M. EQ	Vector Scope
SPEC.	All vector dots are in the inner box.

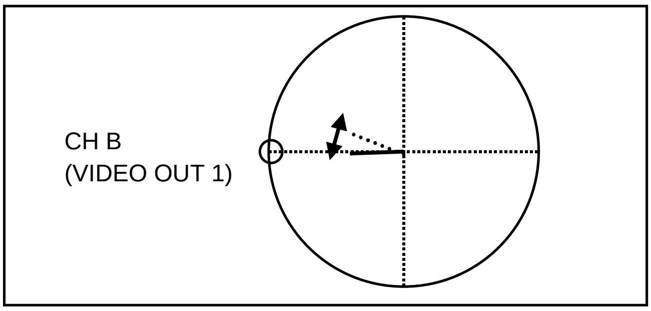
1. Open the SERVICE MENU. (Refer to SEC1 Service Information.)
2. Select the **D00: VOUT ADJUST** and press the “SET” button to open the VOUT ADJUST MENU.
3. Select the **D-2: CMPST ADJUST** and press the “SET” button.
4. Play back the alignment tape at the color bar portion (7:00 – 14:00).
5. Confirm that adjustment value of **D05: SITE C TMG** is **“0”**.
6. Set the burst position on the vector scope at correct position.
7. Adjust **D04: SITE C LVL** so that the all vector dots are in the inner box as shown in figure.



4-8. Composite SCH Adjustment(1)

BOARD	V OUT (F5)
TP	VIDEO OUT 1 (CH B)
ADJ.	D07: SITE SCH (Service Menu)
TAPE	525(NTSC): VFM3580KM (L) Alignment Tape (Color Bar / 7:00 – 14:00)
INPUT	-----
MODE	PLAY
M. EQ	Analog WFM with SCH meter
SPEC.	SCH = 0 ± 1°

1. Open the SERVICE MENU. (Refer to SEC1 Service Information.)
2. Select the **D00: VOUT ADJUST** and press the “SET” button to open the VOUT ADJUST MENU.
3. Select the **D-2: CMPST ADJUST** and press the “SET” button.
4. Play back the alignment tape at the color bar portion (7:00 – 14:00).
5. Adjust **D07: SITE SCH** so that the SCH is in the specification as shown in figure.



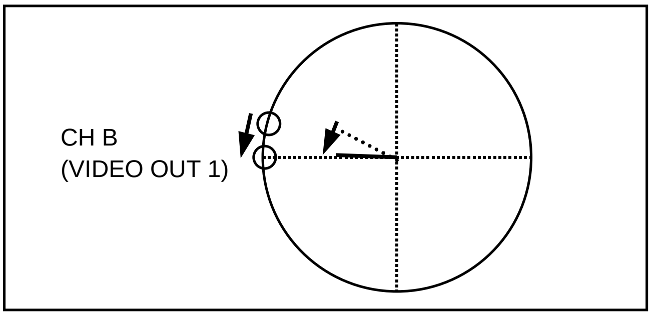
4-9. System Sub-Carrier Phase Adjustment (1)

BOARD	V OUT (F5)
TP	REF IN (CH A), VIDEO OUT 1 (CH B)
ADJ.	VR700 (SYS SC)[E-1]
TAPE	525(NTSC): VFM3580KM (L) Alignment Tape (Color Bar)
INPUT	-----
MODE	PLAY
M. EQ	Analog WFM with SCH meter
SPEC.	SCH = 0 ± 1°

1. Play back the alignment tape at the color bar portion.
2. Adjust VR700 so that the SCH of the VIDEO OUT 1 (CHB) is same as EXT-REF-IN (CHA).

<Note>

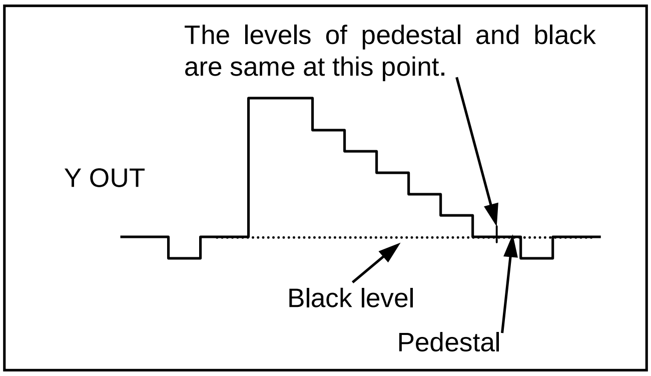
1. Confirm that the SCH indicator should be turned on when reference signal is inputted.
2. Set the WFM to SCH mode, and set the EXT reference mode.
   Observe the Reference signal (CHA) and adjust the PHASE VR of the WFM so that the SCH is correct portion before adjusting the VR700 as shown in figure.
3. Make sure the adjustment position of VR700.
   If position of VR700 is a nearby fully counterclockwise or clockwise, the power may not turn on normally.
   Make sure the setting of System Menu, refer to the <Preparation> of previous page.



4-10. Component Sync DC Adjustment

BOARD	V OUT (F5)
TP	Y OUT (CH B1)
ADJ.	D03: NENT SYNC DC (Service Menu)
TAPE	525(NTSC): VFM3580KM (L) Alignment Tape (Color Bar / 7:00 – 14:00)
INPUT	-----
MODE	PLAY
M. EQ	Analog WFM
SPEC.	SET-UP LEVEL = PEDESTAL LEVEL ± 3mV

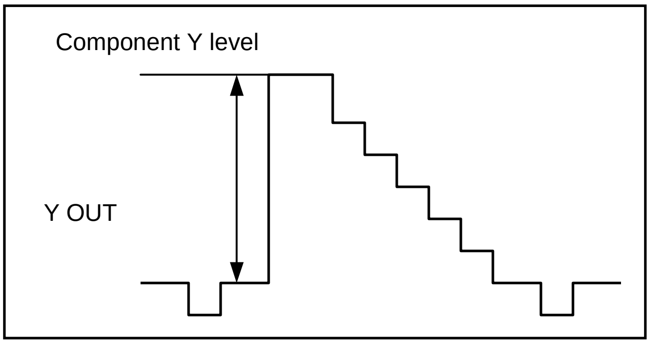
1. Open the SERVICE MENU. (Refer to SEC1 Service Information.)
2. Select the **D00: VOUT ADJUST** and press the “SET” button to open the VOUT ADJUST MENU.
3. Select the **D-1: CMPNT ADJUST** and press the “SET” button.
4. Play back the alignment tape at the color bar portion (7:00 – 14:00).
5. Adjust **D03: NENT SYNC DC** so that the black level is the same level as the pedestal level.



4-11. Component Y Level Adjustment

BOARD	V OUT (F5)
TP	Y OUT (CH B1)
ADJ.	D01: NENT Y LEV (Service Menu)
TAPE	525(NTSC): VFM3580KM (L) Alignment Tape (Color Bar / 7:00 – 14:00)
INPUT	-----
MODE	PLAY
M. EQ	Analog WFM
SPEC.	Y level: 714 ± 3mV

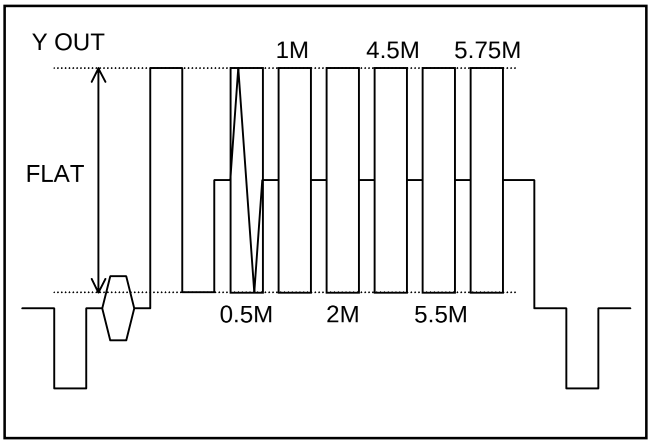
1. Open the SERVICE MENU. (Refer to SEC1 Service Information.)
2. Select the **D00: VOUT ADJUST** and press the “SET” button to open the VOUT ADJUST MENU.
3. Select the **D-1: CMPNT ADJUST** and press the “SET” button.
4. Play back the alignment tape at the color bar portion (7:00 – 14:00).
5. Adjust **D01: NENT Y LEV** so that the Y level is in the specification.



4-12. Component Frequency Characteristic Adjustment

BOARD	V OUT (F5)
TP	Y OUT (CH B1)
ADJ.	D02:NENT Y FREQ (Service Menu)
TAPE	525(NTSC): VFM3380KM Alignment Tape (Multiburst 7:00-10:00)
INPUT	------
MODE	PLAY
M. EQ	Analog WFM
SPEC.	0-5.75MHz : ±0.5dB

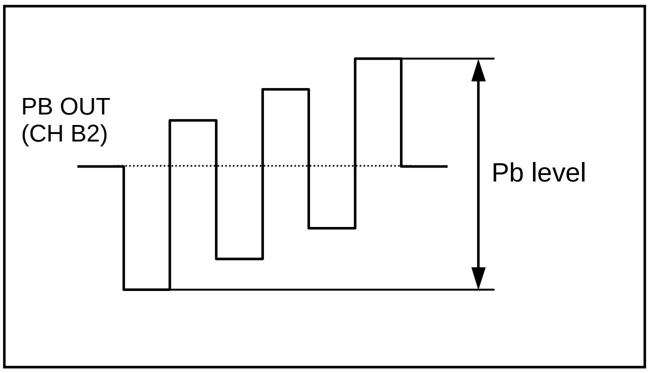
1. Open the SERVICE MENU. (Refer to SEC1 Service Information.)
2. Select the **D00: VOUT ADJUST** and press the “SET” button to open the VOUT ADJUST MENU.
3. Select the **D-1: CMPNT ADJUST** and press the “SET” button.
4. Play back the alignment tape at the MULTIBURST portion (7:00-10:00).
5. Adjust **D02: NENT Y FREQ** so that the 0-5.75MHz portion is flat as shown bellow.



4-13. Component Pb Level Adjustment

BOARD	V OUT (F5)
TP	Pb OUT (CH B2)
ADJ.	D04: NENT PB LEV (Service Menu)
TAPE	525(NTSC): VFM3580KM (L) Alignment Tape (Color Bar / 7:00 – 14:00)
INPUT	-----
MODE	PLAY
M. EQ	Analog WFM
SPEC.	Pb level : 757 ± 3mV

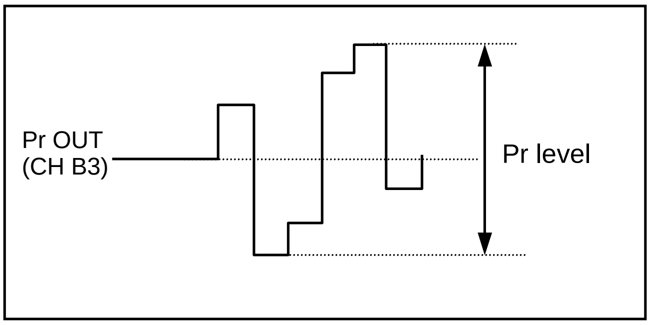
1. Open the SERVICE MENU. (Refer to SEC1 Service Information.)
2. Select the **D00: VOUT ADJUST** and press the “SET” button to open the VOUT ADJUST MENU.
3. Select the **D-1: CMPNT ADJUST** and press the “SET” button.
4. Play back the alignment tape at the color bar portion (7:00 – 14:00).
5. Adjust **D04: NENT PB LEV** so that the Pb level is in the specification.



4-14. Component Pr Level Adjustment

BOARD	V OUT (F5)
TP	Pr OUT (CH B3)
ADJ.	D07: NENT PR LEV (Service Menu)
TAPE	525(NTSC): VFM3580KM (L) Alignment Tape (Color Bar / 7:00 – 14:00)
INPUT	-----
MODE	PLAY
M. EQ	Analog WFM
SPEC.	Pr level : 757 ± 3mV

1. Open the SERVICE MENU. (Refer to SEC1 Service Information.)
2. Select the **D00: VOUT ADJUST** and press the “SET” button to open the VOUT ADJUST MENU.
3. Select the **D-1: CMPNT ADJUST** and press the “SET” button.
4. Play back the alignment tape at the color bar portion (7:00 – 14:00).
5. Adjust **D07: NENT PR LEV** so that the Pr level is in the specification.



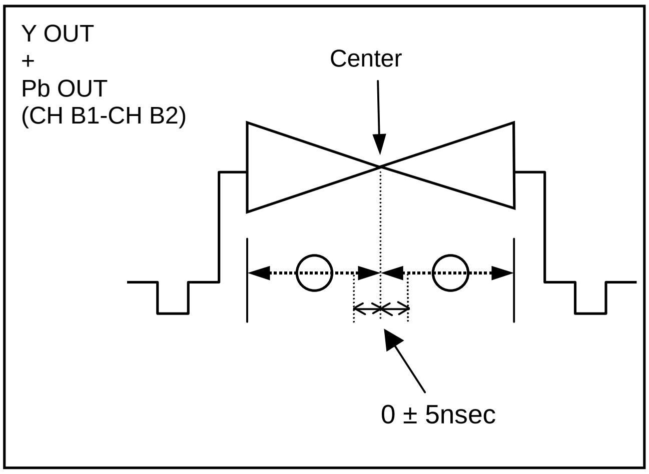
4-15. Component Y-Pb Timing Adjustment

BOARD	V OUT (F5)
TP	Y OUT (CH B1), Pb OUT (CH B2)
ADJ.	D06: NENT PB TMG (Service Menu)
TAPE	525(NTSC): VFM3580KM (L) Alignment Tape (Bow tie portion)
INPUT	-----
MODE	PLAY
M. EQ	Analog WFM (Bow tie mode)
SPEC.	Y Pb Timing : 0 ± 5nsec

1. Set menu setting of SETUP menu as follows.
   614 PB / PR OUT LV : M2
2. Open the SERVICE MENU. (Refer to SEC1 Service Information.)
3. Select the **D00: VOUT ADJUST** and press the “SET” button to open the VOUT ADJUST MENU.
4. Select the **D-1: CMPNT ADJUST** and press the “SET” button.
5. Play back the alignment tape at the Bow tie portion (18:00-22:00).
6. Adjust **D06: NENT PB TMG** so that the crossing point of the Bow tie signal becomes a center (Timing=0± 5nsec) as shown bellow.
7. Set menu setting of SETUP menu as follows.
   614 PB / PR OUT LV : β CAM

<Note>

Incase of WFM does not have “Bow tie mode” (Y-Pb timing adjustment mode), if the oscilloscope has “ADD” and “INVERT” switch, it is possible to make the following waveform by those switch.



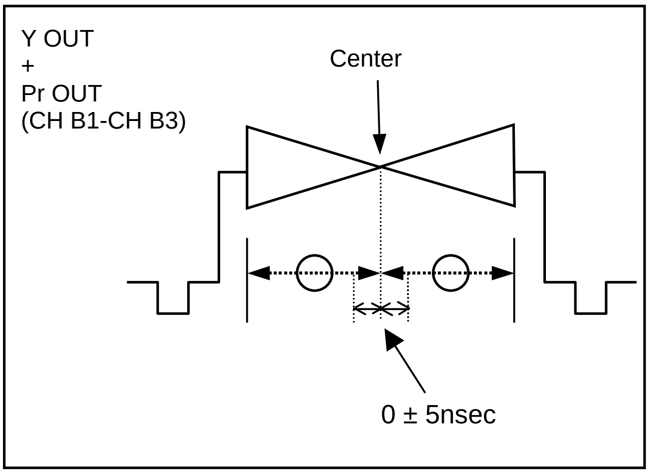
4-16. Component Y-Pr Timing Adjustment

BOARD	V OUT (F5)
TP	Y OUT (CH B1), Pr OUT (CH B3)
ADJ.	D09: NENT PR TMG (Service Menu)
TAPE	525(NTSC): VFM3580KM (L) Alignment Tape (Bow tie portion)
INPUT	-----
MODE	PLAY
M. EQ	Analog WFM (Bow tie mode)
SPEC.	Y Pr Timing : 0 ± 5nsec

1. Set menu setting of SETUP menu as follows.
   614 PB / PR OUT LV : M2
2. Open the SERVICE MENU. (Refer to SEC1 Service Information.)
3. Select the **D00: VOUT ADJUST** and press the “SET” button to open the VOUT ADJUST MENU.
4. Select the **D-1: CMPNT ADJUST** and press the “SET” button.
5. Play back the alignment tape at the Bow tie portion (18:00-22:00).
6. Adjust **D09: NENT PR TMG** so that the crossing point of the Bow tie signal becomes a center (Timing=0± 5nsec) as shown bellow.
7. Set menu setting of SETUP menu as follows.
   614 PB / PR OUT LV : β CAM

<Note>

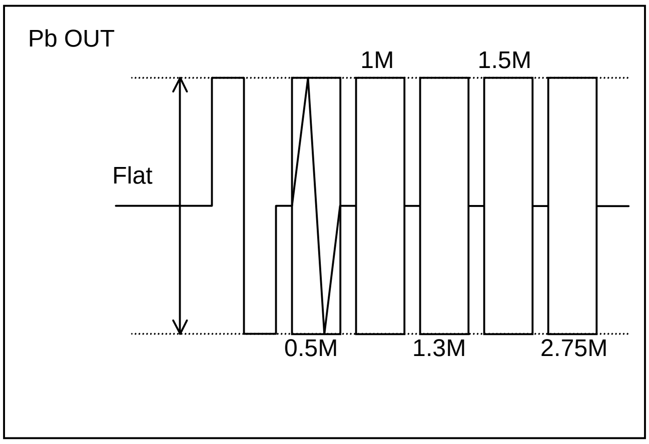
Incase of WFM does not have “Bow tie mode” (Y-Pr timing adjustment mode), if the oscilloscope has “ADD” and “INVERT” switch, it is possible to make the following waveform by those switch.



4-17. Component Pb Frequency Characteristic Adjustment

BOARD	V OUT (F5)
TP	Pb OUT (CH B2)
ADJ.	D05: NENT PB FREQ (Service Menu)
TAPE	525(NTSC): VFM3380KM Alignment Tape (Multi Burst portion)
INPUT	-----
MODE	PLAY
M. EQ	Analog WFM
SPEC.	0-2.75MHz : ± 0.5dB

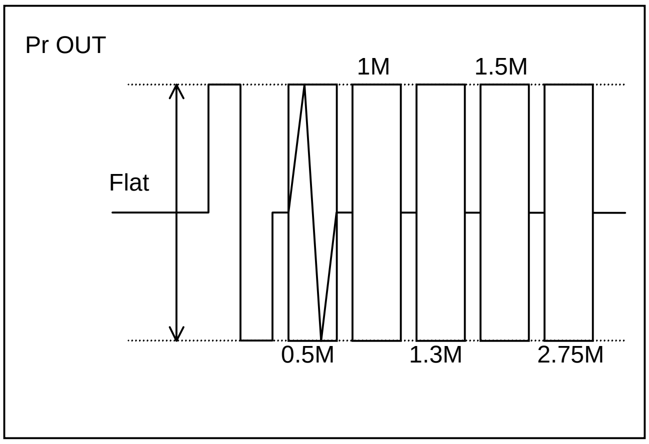
1. Open the SERVICE MENU. (Refer to SEC1 Service Information.)
2. Select the **D00: VOUT ADJUST** and press the “SET” button to open the VOUT ADJUST MENU.
3. Select the **D-1: CMPNT ADJUST** and press the “SET” button.
4. Play back the alignment tape at the MULTIBURST portion (7:00-10:00).
5. Adjust **D05: NENT PB FREQ** so that the 0-2.75MHz portion is flat as shown bellow.



4-18. Component Pr Frequency Characteristic Adjustment

BOARD	V OUT (F5)
TP	Pr OUT (CH B3)
ADJ.	D08: NENT PR FREQ (Service Menu)
TAPE	525(NTSC): VFM3380KM Alignment Tape (Multi Burst portion)
INPUT	-----
MODE	PLAY
M. EQ	Analog WFM
SPEC.	0-2.75MHz : ± 0.5dB

1. Open the SERVICE MENU. (Refer to SEC1 Service Information.)
2. Select the **D00: VOUT ADJUST** and press the “SET” button to open the VOUT ADJUST MENU.
3. Select the **D-1: CMPNT ADJUST** and press the “SET” button.
4. Play back the alignment tape at the MULTIBURST portion (7:00-10:00).
5. Adjust **D08: NENT PR FREQ** so that the 0-2.75MHz portion is flat as shown bellow.



<Preparation>

1. From the item 4-19 to 4-22 are only for AJ-SD955A adjustment.
2. Set the SETUP Menu as follows before starting next adjustment.

[SETUP MENU]
070 TV SYSTEM : 625 (AJ-SD955A only)
After setting the above menu, Turn the VTR OFF and ON in order to set the 625(PAL) mode.

4-19. Reference PLL Center Frequency Adjustment (2)

BOARD	V OUT (F5)
TP	TP153 (VCO)[F-2]
ADJ.	VC701 (FREQ ADJ M)[E-2]
TAPE	-----
INPUT	Internal SG (CB75)
MODE	-----
M. EQ	Frequency Counter
SPEC.	17.734475MHz ±10Hz

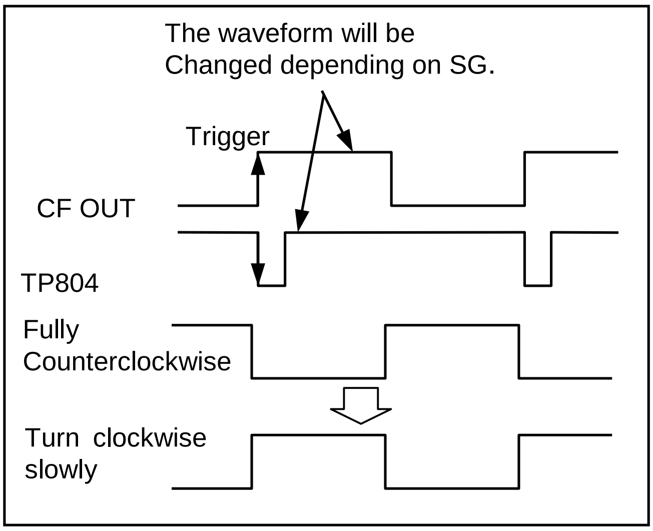
1. Disconnect the REF IN terminal. (No reference signal)
2. Connect the frequency counter to TP153.
3. Adjust VC701 so that the frequency at the TP153 is in the specification.

<Note>
When the hand and so on approach too much near VC701 in adjustment, the DC voltage sometimes shifts.
After finishing this adjustment, connect REF IN terminal again for next adjustment.

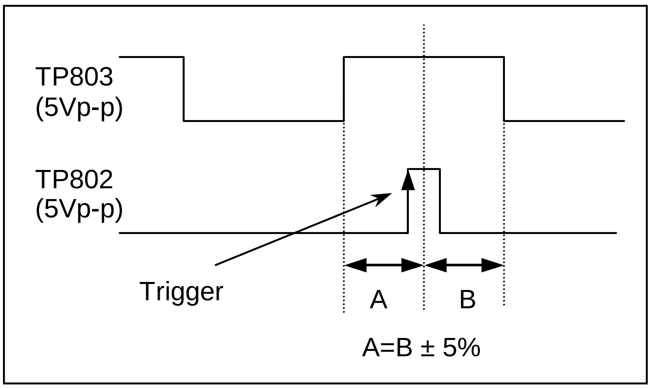
4-20. Reference CF Detection Adjustment (2)

BOARD	V OUT (F5)
TP	CF OUT of Composite Signal generator TP804(CF)[B-2], TP802(CF TP2)[A-1], TP803(CF TP1)[A-1]
ADJ.	VR600 (CF ADJ M)
TAPE	-----
INPUT	REF VIDEO IN Internal SG (CB75)
MODE	-----
M. EQ	Oscilloscope
SPEC.	See Figure, A=B ± 5%

1. Connect the oscilloscope CH1 to the CF output of composite signal generator and CH2 to TP804.
2. Set VR600 to fully counterclockwise.
3. Turn it to clockwise slowly until the phase is reversed as shown in figure.
   And confirm that the “SCH” lamp on the front panel is turned on.



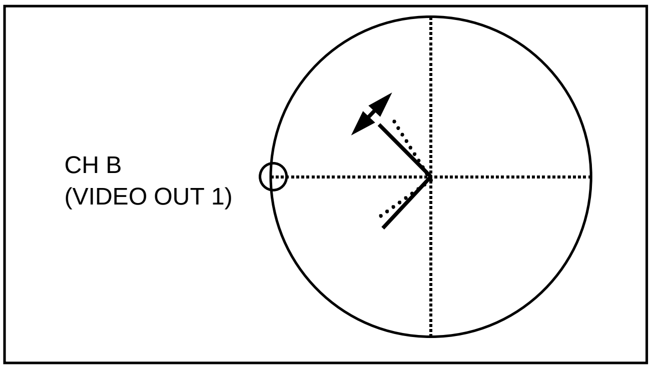
4. Connect the oscilloscope CH1 to TP802 and CH2 to TP803.
5. Expand (delay) the rising edge of TP802.
6. Slowly and slightly rotate VR600 so that the center of high portion at TP802 is positioned at the center of high portion at TP803.



4-21. Composite SCH Adjustment(2)

BOARD	V OUT (F5)
TP	VIDEO OUT 1 (CH B)
ADJ.	D07: SITE SCH (Service Menu)
TAPE	625(PAL): VFM3680KM (L) Alignment Tape (Color Bar)
INPUT	-----
MODE	PLAY
M. EQ	Analog WFM with SCH meter
SPEC.	SCH = 0 ± 1°

1. Open the SERVICE MENU. (Refer to SEC1 Service Information.)
2. Select the **D00: VOUT ADJUST** and press the “SET” button to open the VOUT ADJUST MENU.
3. Select the **D-2: CMPST ADJUST** and press the “SET” button.
4. Play back the alignment tape at the color bar portion.
5. Adjust **D07: SITE SCH** so that the SCH is in the specification as shown in figure.



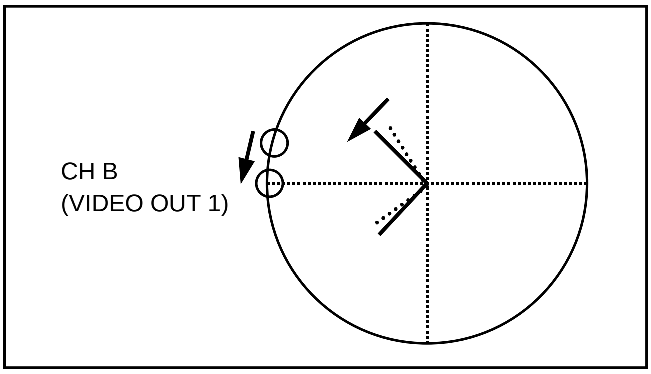
4-22. System Sub-Carrier Phase Adjustment (2)

BOARD	V OUT (F5)
TP	REF IN (CH A), VIDEO OUT 1 (CH B)
ADJ.	VR700 (SYS SC)[E-1]
TAPE	625(PAL): VFM3680KM (L) Alignment Tape (Color Bar)
INPUT	-----
MODE	PLAY
M. EQ	Analog WFM with SCH meter
SPEC.	SCH = 0 ± 1°

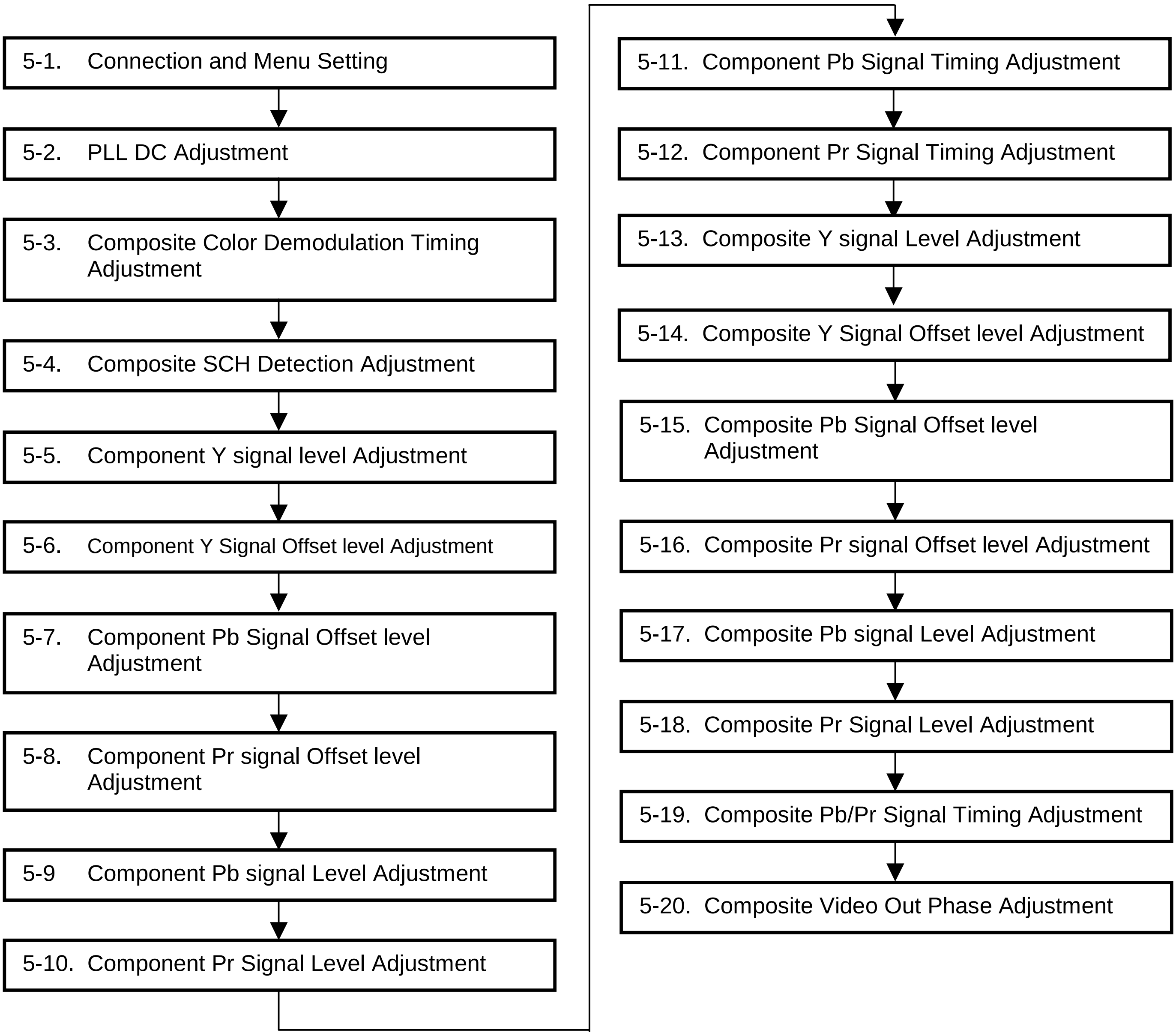
1. Play back the alignment tape at the color bar portion.
2. Adjust VR700 so that the SCH of the VIDEO OUT 1 (CHB) is same as EXT-REF-IN (CHA).

<Note>

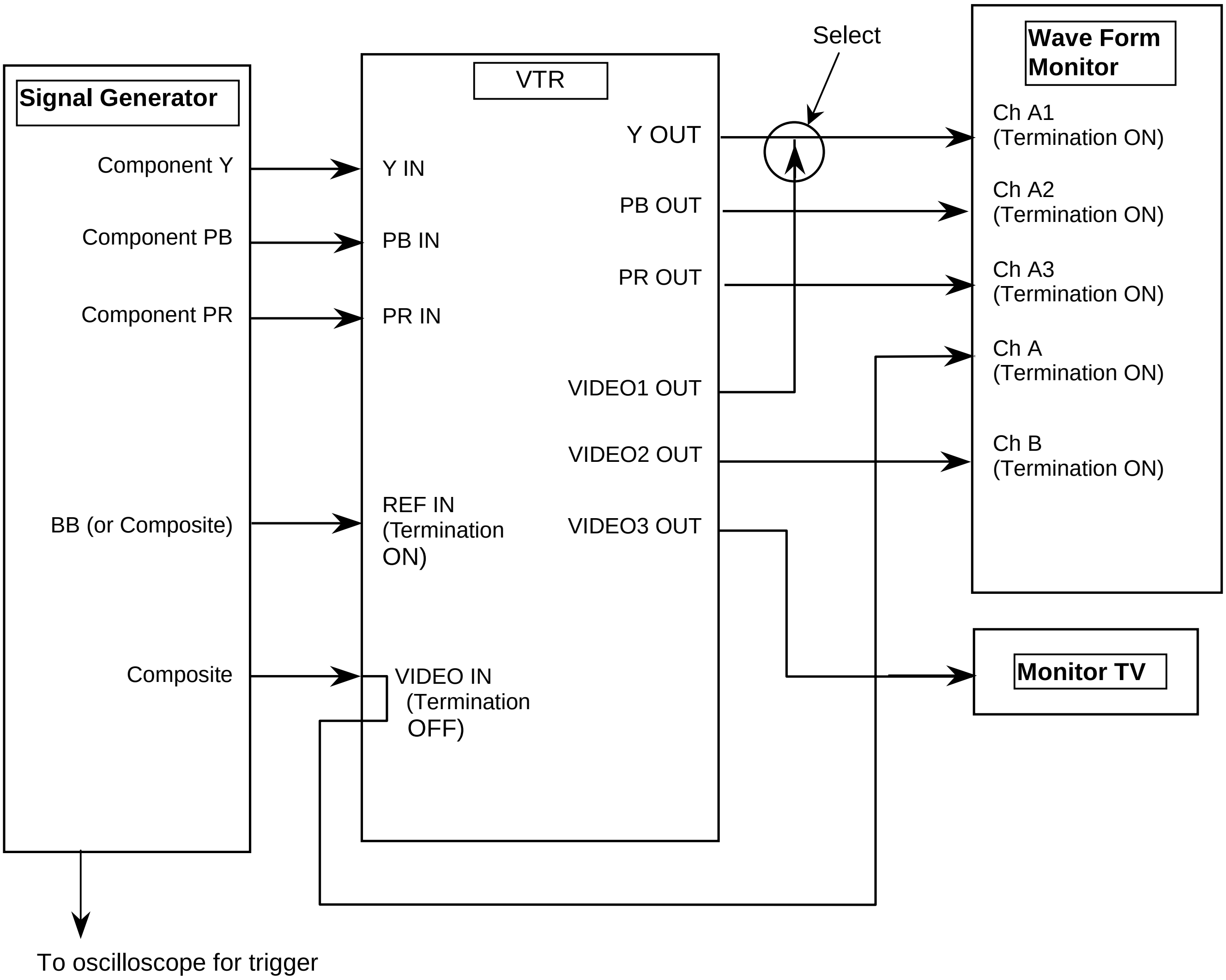
1. Confirm that the SCH indicator should be turned on when reference signal is inputted.
2. Set the WFM to SCH mode, and set the EXT reference mode.
   Observe the Reference signal (CHA) and adjust the PHASE VR of the WFM so that the SCH is correct portion before adjusting the VR700 as shown in figure.



5. V IN (F2A:AJ-YA931G)


5-1. Connection and Menu Setting
5-2. PLL DC Adjustment
5-3. Composite Color Demodulation Timing Adjustment
5-4. Composite SCH Detection Adjustment
5-5. Component Y signal level Adjustment
5-6. Component Y Signal Offset level Adjustment
5-7. Component Pb Signal Offset level Adjustment
5-8. Component Pr signal Offset level Adjustment
5-9 Component Pb signal Level Adjustment
5-10. Component Pr Signal Level Adjustment
5-11. Component Pb Signal Timing Adjustment
5-12. Component Pr Signal Timing Adjustment
5-13. Composite Y signal Level Adjustment
5-14. Composite Y Signal Offset level Adjustment
5-15. Composite Pb Signal Offset level Adjustment
5-16. Composite Pr signal Offset level Adjustment
5-17. Composite Pb signal Level Adjustment
5-18. Composite Pr Signal Level Adjustment
5-19. Composite Pb/Pr Signal Timing Adjustment
5-20. Composite Video Out Phase Adjustment

5-1. Connection and Menu Setting


Signal Generator
Component Y
Component PB
Component PR
BB (or Composite)
Composite
VTR
Y IN
PB IN
PR IN
REF IN (Termination ON)
VIDEO IN (Termination OFF)
Y OUT
PB OUT
PR OUT
VIDEO1 OUT
VIDEO2 OUT
VIDEO3 OUT
Select
Wave Form Monitor
Ch A1 (Termination ON)
Ch A2 (Termination ON)
Ch A3 (Termination ON)
Ch A (Termination ON)
Ch B (Termination ON)
Monitor TV
To oscilloscope for trigger

<Caution>

1. Set the component output level of signal generator to β CAM level.
2. Before starting adjustment, it needs aging more than 15 minutes.

<Menu Setting>

1. Open the "SETUP MENU" and set as following.

610 PB/PR IN LV : B-CAM
614 PB/PR OUT LV : B-CAM
623 SETUP 50
00 CMPST IN : THRU
01 CMPST OUT : THRU
02 CMPNT IN : THRU
03 CMPNT OUT : THRU

5-2. PLL DC Adjustment

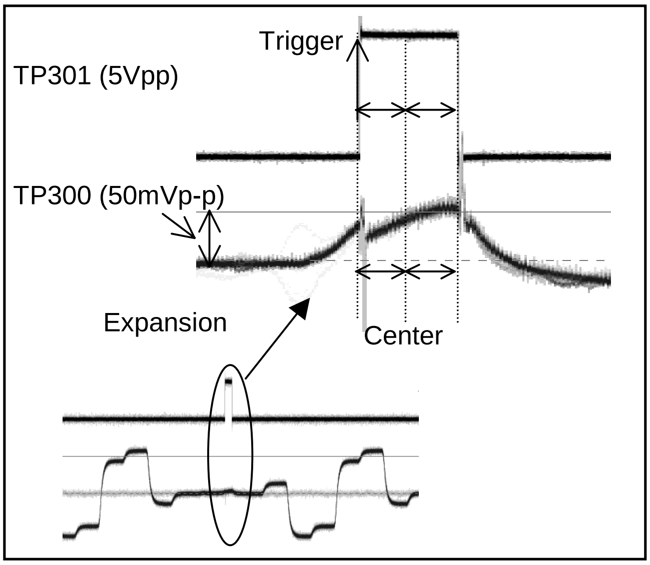
BOARD	V IN (F2A)
TP	TP450 (PLL DC)[A-2]
ADJ.	VC450 (VCO DC)[B-2]
TAPE	-----
INPUT	Analog Component Signal (100% Color Bar with 7.5% Setup β-CAM LEVEL)
MODE	EE
M. EQ	Oscilloscope
SPEC.	DC voltage : 0 ± 0.1V

1. Connect the scope to TP450. And adjust VC450 so that the DC voltage is in the specification.

5-3. Composite Color Demodulation Timing Adjustment

BOARD	V IN (F2A)
TP	TP300(APC)[C-1], TP301(BGP)[C-1]
ADJ.	VR300 (RSTH)[B-1]
TAPE	-----
INPUT	Analog Composite Signal (75% Color Bar with 7.5% Setup)
MODE	EE
M. EQ	Oscilloscope
SPEC.	Center

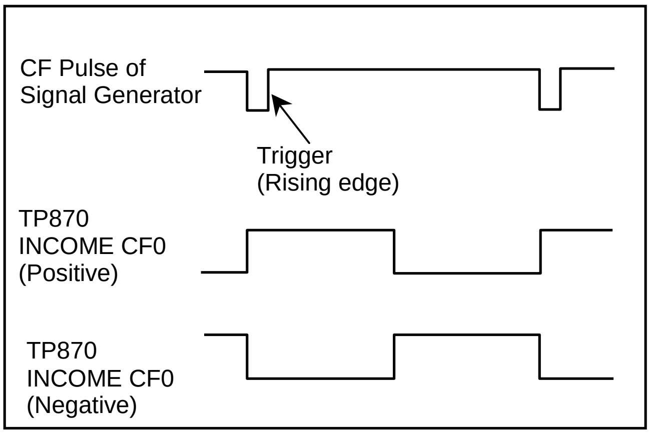
1. Set the Video Input Select Switch on the front panel to “CMPST” (Composite).
2. Open the SERVICE MENU. (Refer to SEC1 Service Information.)
3. Select the **C00: VIN ADJUST** and press the “SET” button to open the VIN ADJUST MENU.
4. Select **C-2: CMPST ADJUST** and press the “SET” button to open the CMPST ADJUST menu.
5. Set the numerical value of the **C09: SITE CAXIS** to **127.**
6. Connect the scope CH1 to TP301 and CH2 to TP300.
7. Adjust VR300 so that the timing of the center portion of these pulses becomes same timing as shown in figure.
8. Set **C09: SITE CAXIS** to **0(zero).**


Trigger
TP301 (5Vpp)
TP300 (50mVp-p)
Expansion
Center

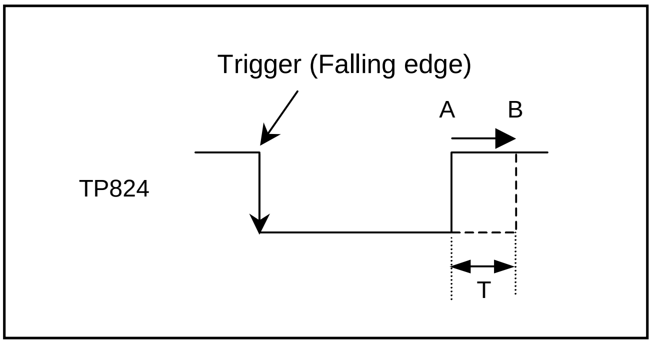
5-4. Composite SCH Detection Adjustment

BOARD	V IN (F2A)
TP	TP870 (INCF)[B-4], TP824(SCHP)[A-3]
ADJ.	VR301 (SCH)[B-1]
TAPE	-----
INPUT	CF Signal of Signal Generator Analog Composite Signal (75% Color Bar with 7.5% Setup)
MODE	EE
M. EQ	Oscilloscope
SPEC.	T=55 ± 0.5nsec

1. Set the Video Input Select Switch on the front panel to “CMPST” (Composite).
2. Connect the scope CH1 to TP870 and CH2 to CF Pulse of the signal generator. And set the trigger channel to CH2. (Triggered by rising edge.)
3. Set VR301 fully counterclockwise.
4. If income CF0 pulse of the TP870 is positive pulse, turn the VR301 clockwise until changing from positive to negative as shown bellow.
5. Turn the VR301 clockwise slowly until just changing from negative to positive as shown below.


CF Pulse of Signal Generator
Trigger (Rising edge)
TP870 INCOME CF0 (Positive)
TP870 INCOME CF0 (Negative)

6. Connect the scope CH1 to TP824 and trigger by falling edge.
7. Turn the VR301 clockwise slowly until the rising edge of the TP824 moves from "A" to "B" as shown below. The time difference "T" should be in the specification.

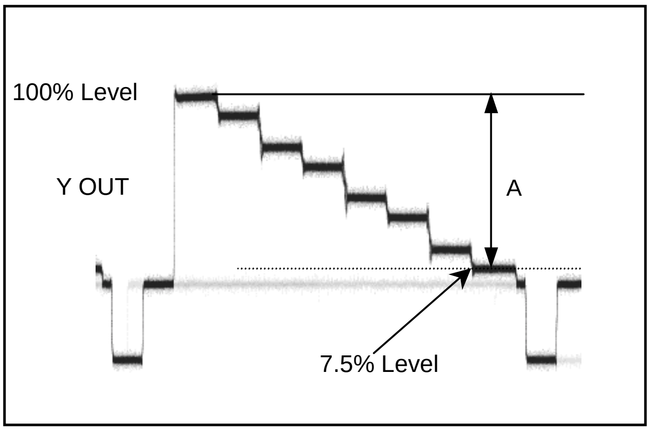

Trigger (Falling edge)
A
B
TP824
T

5-5. Component Y signal level Adjustment

BOARD	V IN (F2A)
TP	Component Y OUT
ADJ.	C01: NENT Y GAIN (Service Menu)
TAPE	-----
INPUT	Analog Component Signal (100% Color Bar with 7.5% Setup β-CAM LEVEL)
MODE	EE
M. EQ	Analog WFM
SPEC.	Y signal(100%←→7.5% : 661 ± 3mV

(This adjustment performs without extender board.)

1. Open the SERVICE MENU. (Refer to SEC1 Service Information.)
2. Select the **C00: VIN ADJUST** and press the “SET” button to open the VIN ADJUST MENU.
3. Select **C-1: CMPNT ADJUST** and press the “SET” button to open the CMPNT ADJUST menu.
4. Adjust the **C01 NENT Y GAIN** so that the level “A” is in the specification. (Level “A” is between 100% portion and 7.5% portion.)
5. Close the menu.



Note:

*When open the “C-1: CMPNT ADJUST” page of the Service Menu, the Video Input Select is changed to **“Y PB PR”** (Component Input) automatically.*

*And also, when open the “C-2: CMPST ADJUST” page of the Service Menu, the Video Input Select is changed to **“CMPST”** (Composite Input) automatically.*

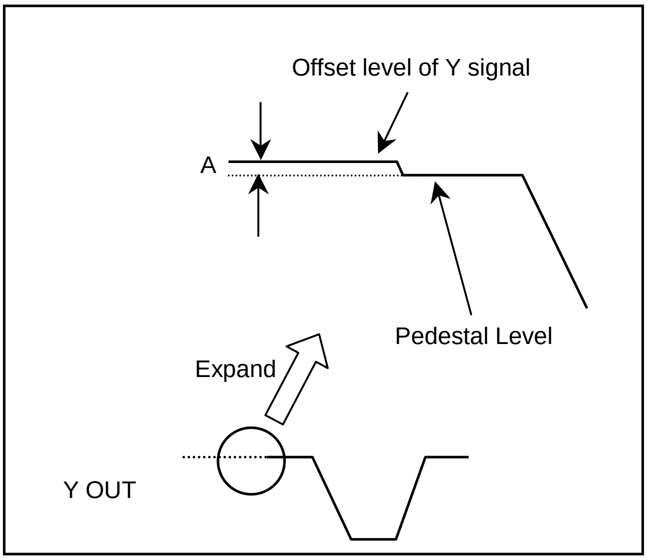
However, the indicator of video input on the front panel is not changed.

5-6. Component Y Signal Offset level Adjustment

BOARD	V IN (F2A)
TP	Component Y OUT
ADJ.	C02: NENT Y OFS (Service Menu)
TAPE	-----
INPUT	Analog Component Signal (0% Flat Field)
MODE	EE
M. EQ	Analog WFM
SPEC.	The difference between the Pedestal level and the offset level of Y signal(A):0 ± 3mV

(This adjustment performs without extender board.)

1. Open the SERVICE MENU. (Refer to SEC1 Service Information.)
2. Select the **C00: VIN ADJUST** and press the “SET” button to open the V IN ADJUST MENU.
3. Select **C-1 CMPNT ADJUST** and press the “SET” button to open the CMPNT ADJUST menu.
4. Adjust the **C02 NENT Y OFS** so that the level “A” is in the specification. (Level “A” is the difference between the pedestal level and offset level of Y signal.)
5. Close the menu.

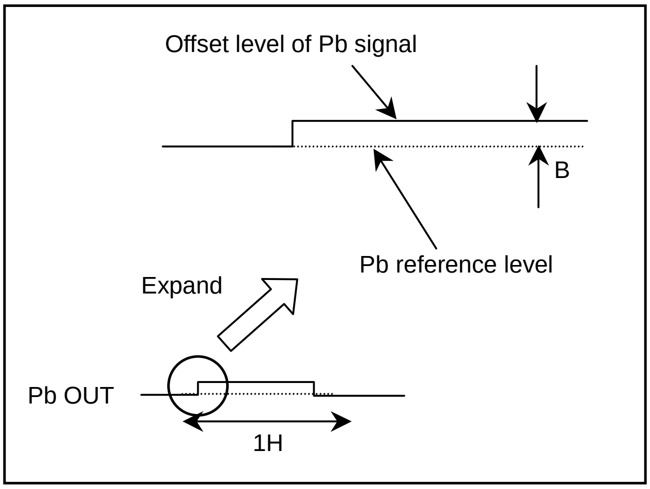


5-7. Component Pb Signal Offset level Adjustment

BOARD	V IN (F2A)
TP	Component PB OUT
ADJ.	C04: NENT PB OFS (Service Menu)
TAPE	-----
INPUT	Analog Component Signal (0% Flat Field)
MODE	EE
M. EQ	Analog WFM
SPEC.	The difference between the Pb reference level and the offset level of the Pb signal. (B) : 0 ± 3mV

(This adjustment performs without extender board.)

1. Open the SERVICE MENU. (Refer to SEC1 Service Information.)
2. Select the **C00: VIN ADJUST** and press the “SET” button to open the V IN ADJUST MENU.
3. Select **C-1 CMPNT ADJUST** and press the “SET” button to open the CMPNT ADJUST menu.
4. Adjust the **C04 NENT PB OFS** so that the level “B” is in the specification. (Level “B” is the difference between the Pb reference level and the offset level of the Pb signal.)
5. Close the menu.

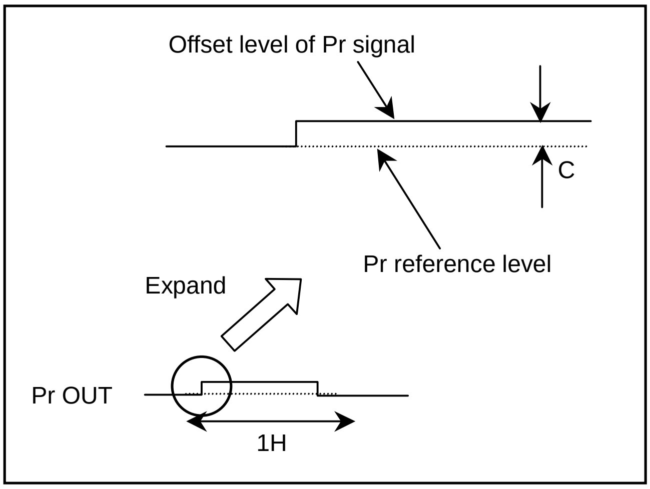


5-8. Component Pr signal Offset level Adjustment

BOARD	V IN (F2A)
TP	Component PR OUT
ADJ.	C07: NENT PR OFS (Service Menu)
TAPE	-----
INPUT	Analog Component Signal (0% Flat Field)
MODE	EE
M. EQ	Analog WFM
SPEC.	The difference between the Pr reference level and the offset level of the Pr signal. (C) : 0 ± 3mV

(This adjustment performs without extender board.)

1. Open the SERVICE MENU. (Refer to SEC1 Service Information.)
2. Select the **C00: VIN ADJUST** and press the “SET” button to open the V IN ADJUST MENU.
3. Select **C-1 CMPNT ADJUST** and press the “SET” button to open the CMPNT ADJUST menu.
4. Adjust the **C07 NENT PR OFS** so that the level “C” is in the specification. (Level “C” is the difference between the Pr reference level and the offset level of the Pr signal.)
5. Close the menu.

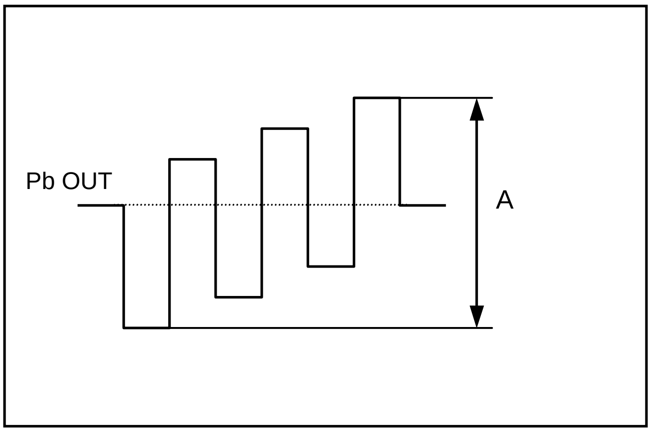


5-9 Component Pb signal Level Adjustment

BOARD	V IN (F2A)
TP	Component PB OUT
ADJ.	Service Menu
TAPE	-----
INPUT	Analog Component Signal (100% Color Bar with 7.5% Setup β-CAM LEVEL)
MODE	EE
M. EQ	Analog WFM
SPEC.	Pb signal level (A): 933 ± 3mV

(This adjustment performs without extender board.)

1. Open the SERVICE MENU. (Refer to SEC1 Service Information.)
2. Select the **C00: VIN ADJUST** and press the “SET” button to open the V IN ADJUST MENU.
3. Select **C-1 CMPNT ADJUST** and press the “SET” button to open the CMPNT ADJUST menu.
4. Adjust the **C03 NENT PB GAIN** so that the level “A” is in the specification.
5. Close the menu.

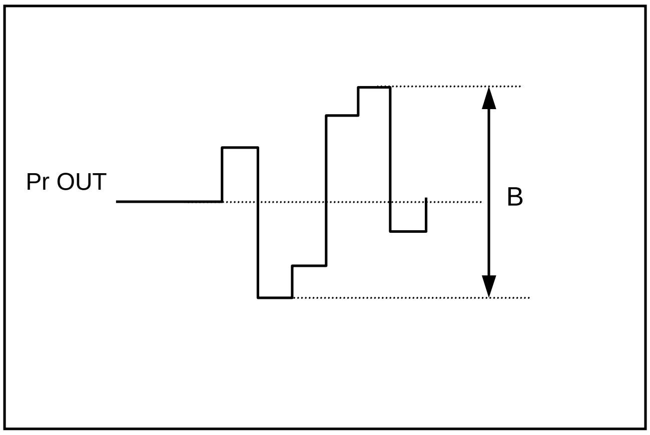


5-10.Component Pr Signal Level Adjustment

BOARD	V IN (F2A)
TP	Component PR OUT
ADJ.	Service Menu
TAPE	-----
INPUT	Analog Component Signal (100% Color Bar with 7.5% Setup β-CAM LEVEL)
MODE	EE
M. EQ	Analog WFM
SPEC.	Pr signal level (B): 933 ± 3mV

(This adjustment performs without extender board.)

1. Open the SERVICE MENU. (Refer to SEC1 Service Information.)
2. Select the **C00: VIN ADJUST** and press the “SET” button to open the V IN ADJUST MENU.
3. Select **C-1 CMPNT ADJUST** and press the “SET” button to open the CMPNT ADJUST menu.
4. Adjust the **C06 NENT PR GAIN** so that the level “B” is in the specification.
5. Close the menu.

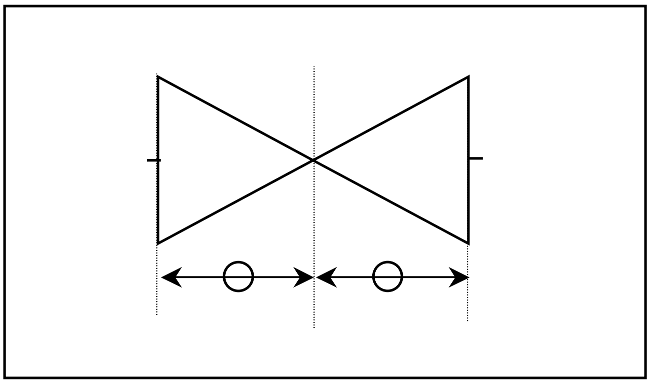


5-11.Component Pb Signal Timing Adjustment

BOARD	V IN (F2A)
TP	Component Y/Pb OUT
ADJ.	C05: NENT PB TMG (Service Menu)
TAPE	-----
INPUT	Analog Component Signal (Bowtie)
MODE	EE
M. EQ	Analog WFM (Bowtie mode)
SPEC.	Relative Timing: 0 ± 5nsec

(This adjustment performs without extender board.)

1. Open the SERVICE MENU. (Refer to SEC1 Service Information.)
2. Select the **C00: VIN ADJUST** and press the “SET” button to open the V IN ADJUST MENU.
3. Select **C-1 CMPNT ADJUST** and press the “SET” button to open the CMPNT ADJUST menu.
4. Adjust the **C05 NENT PB TMG** so that the crossing point of the Bowtie signal becomes a center (Timing = 0 ± 5nsec).
5. Close the menu.



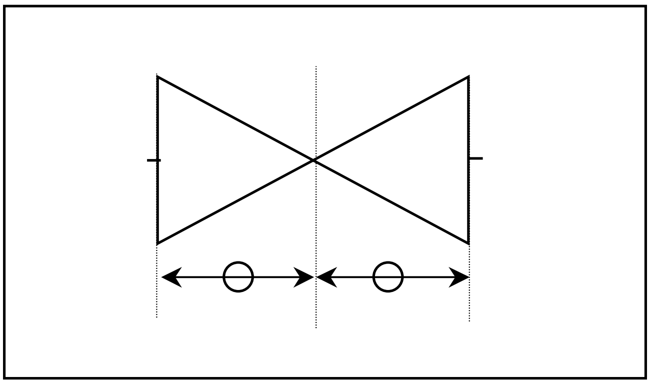
<Note>
Incase of WFM does not have “Bow tie mode” (Y-Pb timing adjustment mode), if the oscilloscope has “ADD” and “INVERT” switch, it is possible to make the following waveform by those switch.

5-12.Component Pr Signal Timing Adjustment

BOARD	V IN (F2A)
TP	Component Y/Pr OUT
ADJ.	C08: NENT PR TMG (Service Menu)
TAPE	-----
INPUT	Analog Component Signal (Bowtie)
MODE	EE
M. EQ	Analog WFM (Bowtie mode)
SPEC.	Relative Timing: 0 ± 5nsec

(This adjustment performs without extender board.)

1. Open the SERVICE MENU. (Refer to SEC1 Service Information.)
2. Select the **C00: VIN ADJUST** and press the “SET” button to open the V IN ADJUST MENU.
3. Select **C-1 CMPNT ADJUST** and press the “SET” button to open the CMPNT ADJUST menu.
4. Adjust the **C08 NENT PR TMG** so that the crossing point of the Bowtie signal becomes a center (Timing = 0 ± 5nsec).
5. Close the menu.



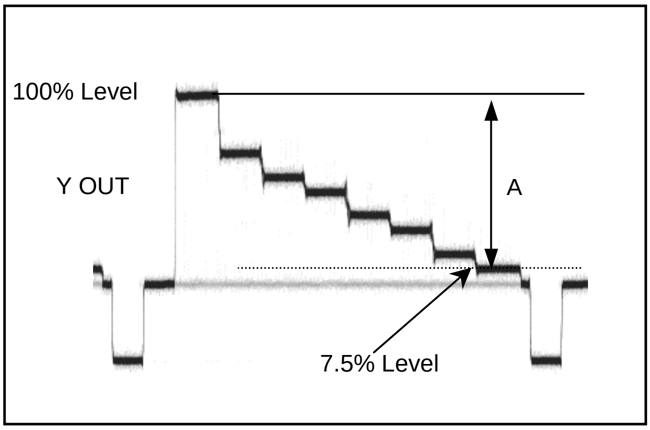
<Note>
Incase of WFM does not have “Bow tie mode” (Y-Pr timing adjustment mode), if the oscilloscope has “ADD” and “INVERT” switch, it is possible to make the following waveform by those switch.

5-13.Composite Y signal Level Adjustment

BOARD	V IN (F2A)
TP	Component Y OUT
ADJ.	C01: SITE Y GAIN (Service Menu)
TAPE	-----
INPUT	Analog Composite Signal (75% Color Bar with 7.5% Setup
MODE	EE
M. EQ	Analog WFM
SPEC.	Y signal (A)(100%←→7.5%) : 661 ± 3mV

(This adjustment performs without extender board.)

1. Open the SERVICE MENU. (Refer to SEC1 Service Information.)
2. Select the **C00: VIN ADJUST** and press the “SET” button to open the V IN ADJUST MENU.
3. Select **C-2 CMPST ADJUST** and press the “SET” button to open the CMPST ADJUST menu.
4. Adjust the **C01 SITE Y GAIN** so that the level “A” is in the specification. (Level “A” is between 100% portion and 7.5% portion.)
5. Close the menu.



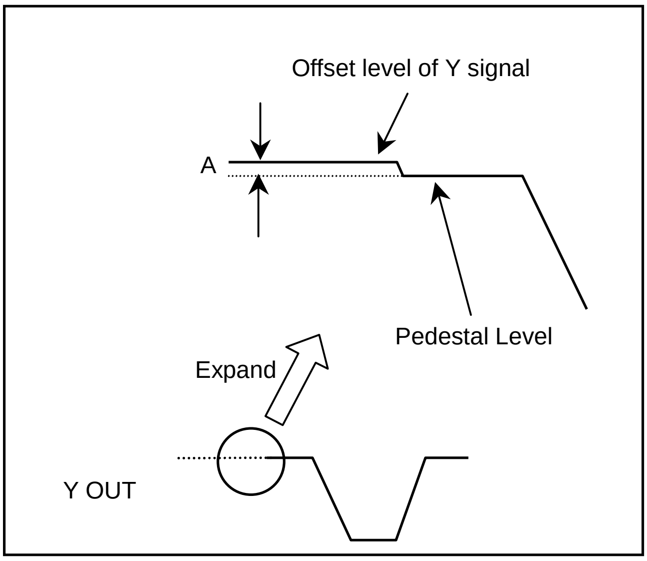
Note:
*When open the “C-1: CMPNT ADJUST” page of the Service Menu, the Video Input Select is changed to **“Y PB PR”** (Component Input) automatically.*
*And also, when open the “C-2: CMPST ADJUST” page of the Service Menu, the Video Input Select is changed to **“CMPST”** (Composite Input) automatically. However, the indicator of video input on the front panel is not changed.*

5-14.Composite Y Signal Offset level Adjustment

BOARD	V IN (F2A)
TP	Component Y OUT
ADJ.	C02: SITE Y OFS (Service Menu)
TAPE	-----
INPUT	Analog Composite Signal (0% Flat Field)
MODE	EE
M. EQ	Analog WFM
SPEC.	The difference between the Pedestal level and the offset level of Y signal (A) : 0 ± 3mV

(This adjustment performs without extender board.)

1. Open the SERVICE MENU. (Refer to SEC1 Service Information.)
2. Select the **C00: V IN ADJUST** and press the “SET” button to open the V IN ADJUST MENU.
3. Select **C-2 CMPST ADJUST** and press the “SET” button to open the CMPST ADJUST menu.
4. Adjust the **C02 SITE Y OFS** so that the level “A” is in the specification. (Level “A” is the difference between the pedestal level and offset level of Y signal.)
5. Close the menu.

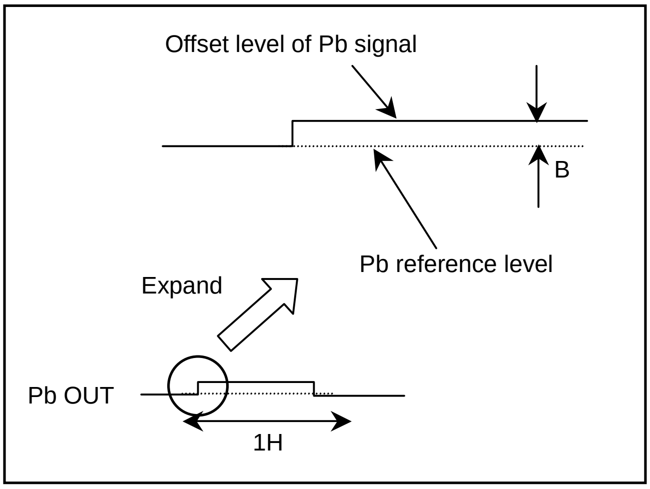


5-15.Composite Pb Signal Offset level Adjustment

BOARD	V IN (F2A)
TP	Component Pb OUT
ADJ.	C04: SITE PB OFS (Service Menu)
TAPE	-----
INPUT	Analog Composite Signal (0% Flat Field)
MODE	EE
M. EQ	Analog WFM
SPEC.	The difference between the Pb reference level and the offset level of the Pb signal. (B) : 0± 3mV

(This adjustment performs without extender board.)

1. Open the SERVICE MENU. (Refer to SEC1 Service Information.)
2. Select the **C00: VIN ADJUST** and press the “SET” button to open the V IN ADJUST MENU.
3. Select **C-2 CMPST ADJUST** and press the “SET” button to open the CMPST ADJUST menu.
4. Adjust the **C04 SITE PB OFS** so that the level “B” is in the specification. (Level “B” is the difference between the Pb reference level and the offset level of the Pb signal.)
5. Close the menu.

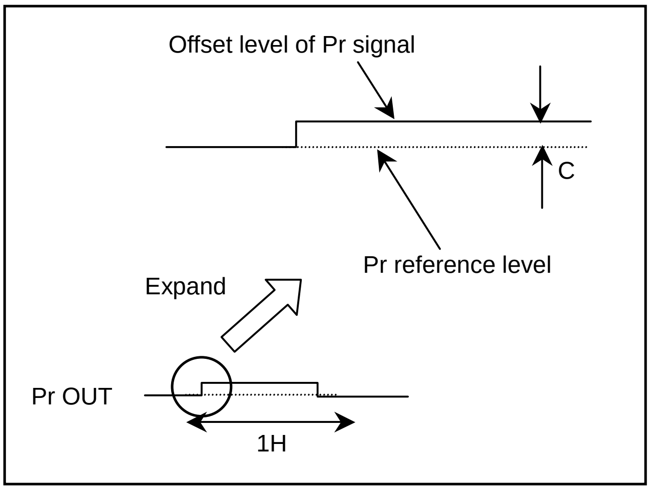


5-16.Composite Pr signal Offset level Adjustment

BOARD	V IN (F2A)
TP	Component Pr OUT
ADJ.	C07: SITE PR OFS (Service Menu)
TAPE	-----
INPUT	Analog Composite Signal (0% Flat Field)
MODE	EE
M. EQ	Analog WFM
SPEC.	The difference between the Pr reference level and the offset level of the Pr signal. (C) : 0± 3mV

(This adjustment performs without extender board.)

1. Open the SERVICE MENU. (Refer to SEC1 Service Information.)
2. Select the **C00: VIN ADJUST** and press the “SET” button to open the V IN ADJUST MENU.
3. Select **C-2 CMPST ADJUST** and press the “SET” button to open the CMPST ADJUST menu.
4. Adjust the **C07 SITE PR OFS** so that the level “C” is in the specification. (Level “C” is the difference between the Pr reference level and the offset level of the Pr signal.)
5. Close the menu.

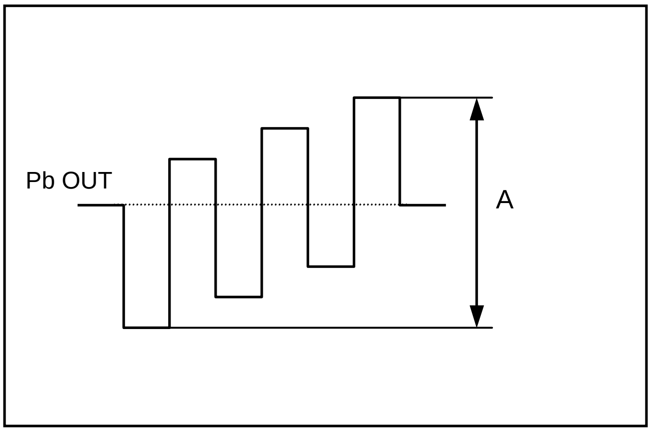


5-17.Composite Pb signal Level Adjustment

BOARD	V IN (F2A)
TP	Composite PB OUT
ADJ.	C03: SITE PB GAIN (Service Menu)
TAPE	-----
INPUT	Analog Composite Signal (75% Color Bar with 7.5% Setup)
MODE	EE
M. EQ	Analog WFM
SPEC.	Pb signal level (A): 700± 3mV

(This adjustment performs without extender board.)

1. Open the SERVICE MENU. (Refer to SEC1 Service Information.)
2. Select the **C00: VIN ADJUST** and press the “SET” button to open the V IN ADJUST MENU.
3. Select **C-2 CMPST ADJUST** and press the “SET” button to open the CMPST ADJUST menu.
4. Adjust the **C03 SITE PB GAIN** so that the level “A” is in the specification.
5. Close the menu.

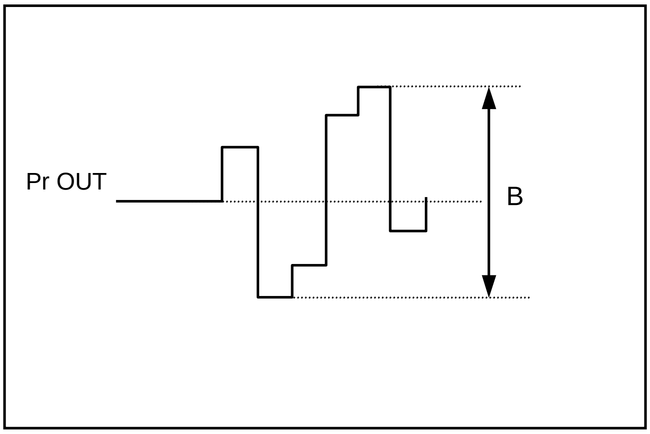


5-18.Composite Pr Signal Level Adjustment

BOARD	V IN (F2A)
TP	Composite PR OUT
ADJ.	C06: SITE PR GAIN (Service Menu)
TAPE	-----
INPUT	Analog Composite Signal (75% Color Bar with 7.5% Setup)
MODE	EE
M. EQ	Analog WFM
SPEC.	Pr signal level (B): 700± 3mV

(This adjustment performs without extender board.)

1. Open the SERVICE MENU. (Refer to SEC1 Service Information.)
2. Select the **C00: VIN ADJUST** and press the “SET” button to open the V IN ADJUST MENU.
3. Select **C-2 CMPST ADJUST** and press the “SET” button to open the CMPST ADJUST menu.
4. Adjust the **C06 SITE PR GAIN** so that the level “B” is in the specification.
5. Close the menu.



5-19.Composite Pb/Pr Signal Timing Adjustment

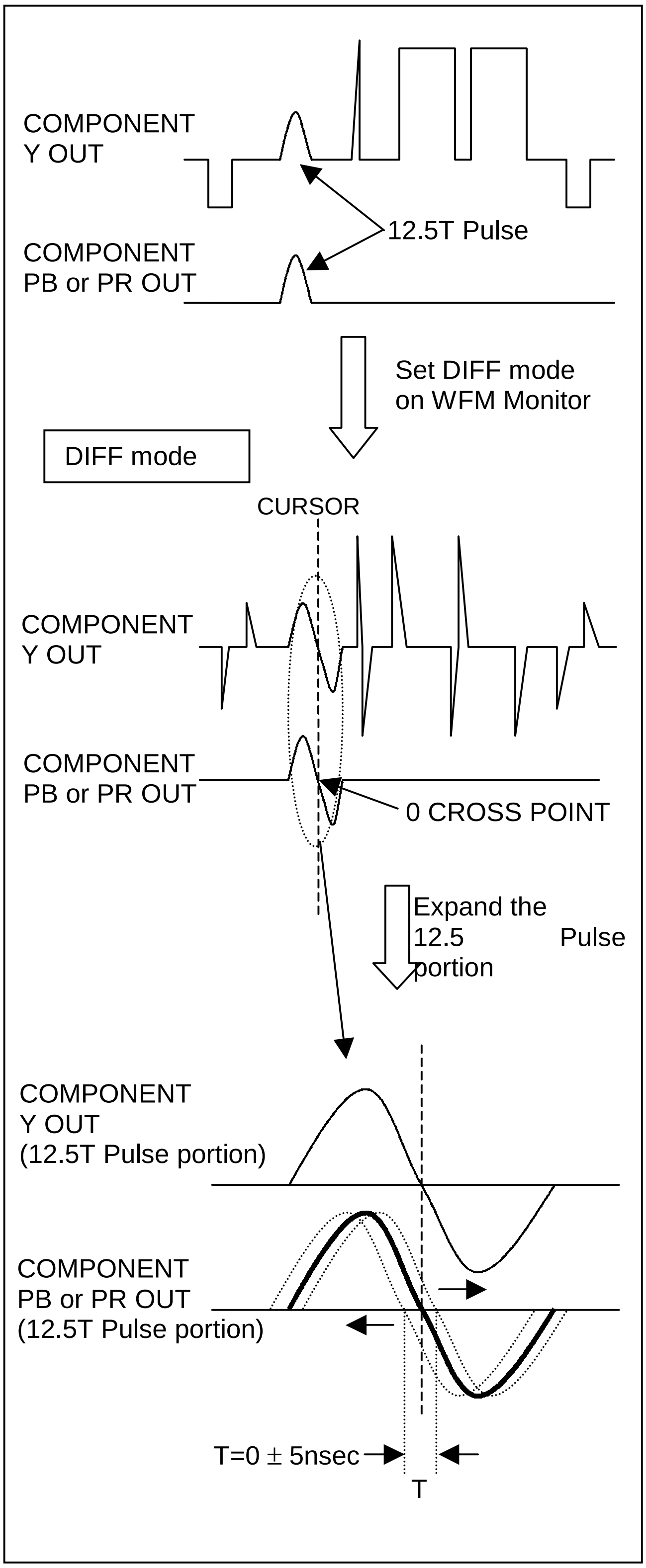
BOARD	V IN (F2A)
TP	Y, Pr, Pb OUT
ADJ.	C05: SITE PB TMG (Service Menu)
TAPE	-----
INPUT	Analog Composite Signal (Pulse and Bar with 12.5T modulation Signal)
MODE	EE
M. EQ	Analog WFM (DIFF mode)
SPEC.	T = 0± 5nsec

(This adjustment performs without extender board.)

1. Confirm that the 12.5T modulation signal portion of Component Y OUT is displayed correctly on the WFM as shown in figure.
2. Confirm that the 12.5T modulation signal portion of Component PB and PR OUT is displayed correctly on the WFM as shown in figure.
3. Set WFM monitor to DIFF mode. In the DIFF mode, waveform of Y and PB or PR signals are integrated as shown in figure.
4. Expand the 12.5 pulse portion (an ellipse dotted portion as indicated in figure) and set the cursor to 0 cross point as shown in figure.
5. Open the SERVICE MENU (Refer to SEC1 Service Information.)
6. Select the **C00: VIN ADJUST** and press the "SET" button to open the V IN ADJUST MENU.
7. Select **C-2 CMPST ADJUST** and press the "SET" button to open the CMPST ADJUST menu.
8. Adjust the **C05 SITE PB TMG or C08 SITE PR TMG** so that the signal timing between Y and PB or PR signal is in the specification.
9. Close the Menu.

NOTE:

Please use WFM Monitor with DIFF mode.

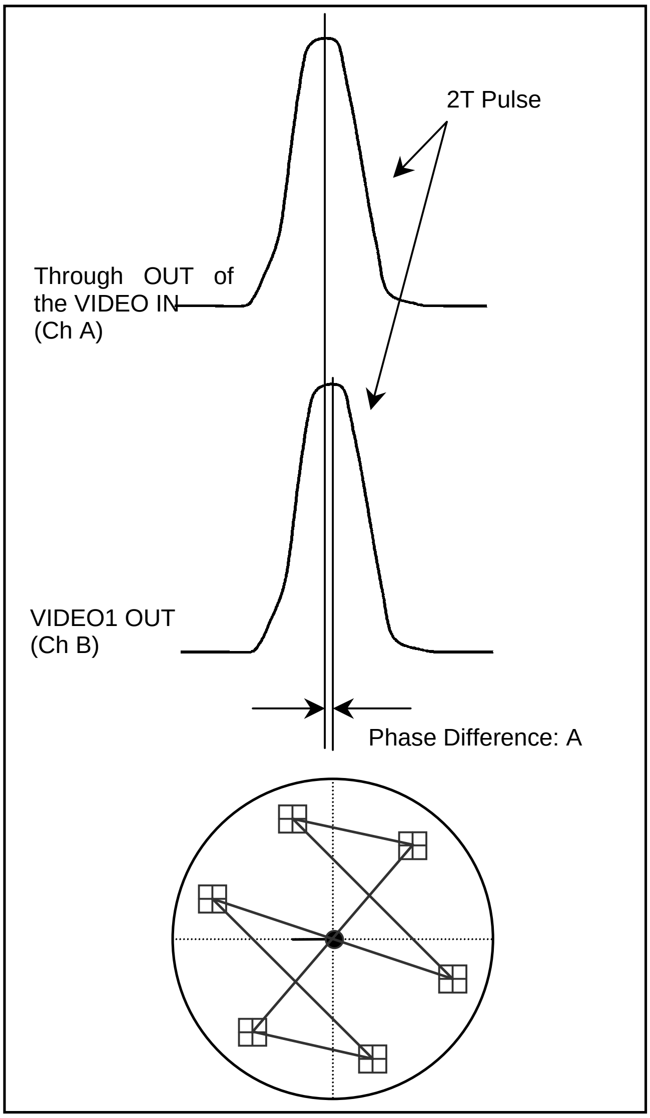

COMPONENT
Y OUT
12.5T Pulse
COMPONENT
PB or PR OUT
Set DIFF mode
on WFM Monitor
DIFF mode
CURSOR
COMPONENT
Y OUT
COMPONENT
PB or PR OUT
0 CROSS POINT
Expand the
12.5 Pulse
portion
COMPONENT
Y OUT
(12.5T Pulse portion)
COMPONENT
PB or PR OUT
(12.5T Pulse portion)
T=0 ± 5nsec
T

5-20.Composite Video Out Phase Adjustment

BOARD	V IN (F2A)
TP	VIDEO IN THRU VIDEO1 OUT
ADJ.	VR450 (SYNCϕ)[A-1]
TAPE	-----
INPUT	Analog Composite Signal (Pulse and Bar with 2T modulation Signal) (75% Color Bar with 7.5% Setup)
MODE	EE
M. EQ	Analog WFM
SPEC.	Phase Difference A : 0 ± 10nsec

(This adjustment performs without extender board.)

1. Input Pulse and Bar signal to Video IN terminal. Adjust VR450 (SYNCϕ) so that the phase difference of 2T pulse between through out of the VIDEO IN and the VIDEO OUT 1 is in the specification.
2. Change input signal to 100% color bar signal. Then confirm that signal line on a vector scope should be linear line. If it is not, execute fine adjustment of VR450.

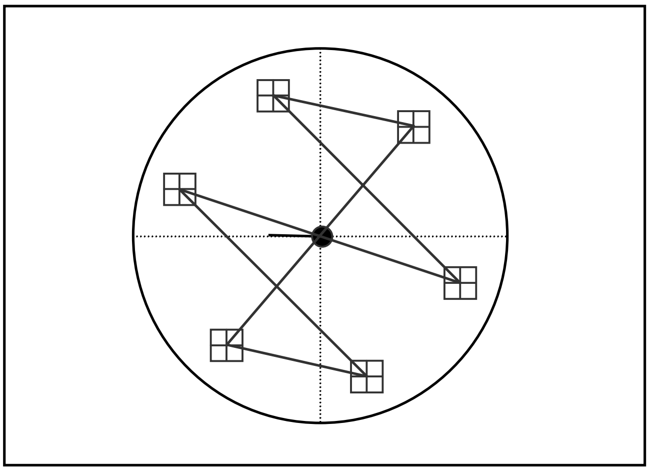


5-21.Composite Vector Adjustment

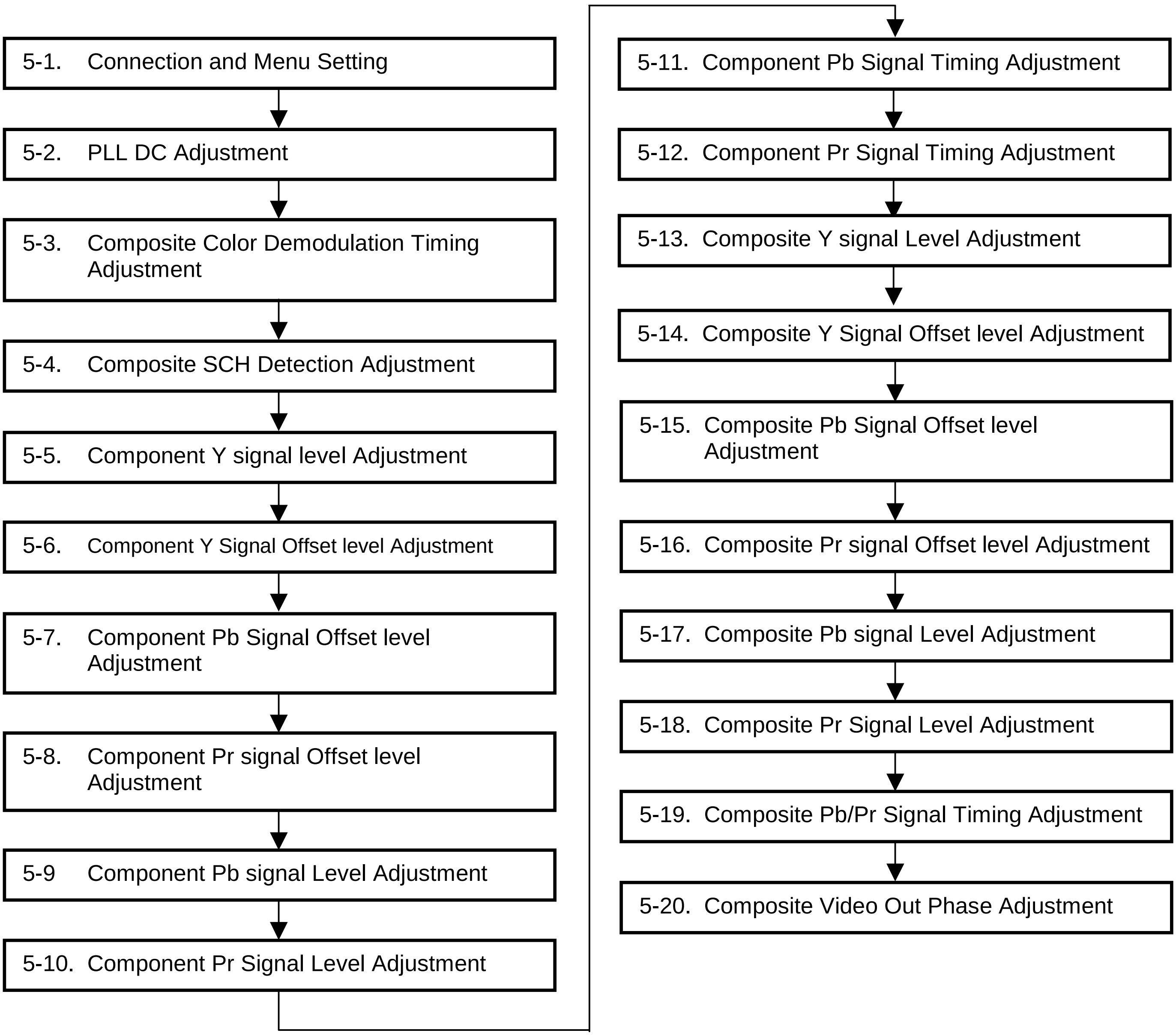
BOARD	V IN (F2A)
TP	VIDEO 1 OUT
ADJ.	C09: SITE CAXIS (Service Menu)
TAPE	-----
INPUT	Analog Composite Signal (75% Color Bar with 7.5% Setup)
MODE	EE
M. EQ	Analog WFM
SPEC.	All vector dots are in the inner box

(This adjustment performs without extender board.)

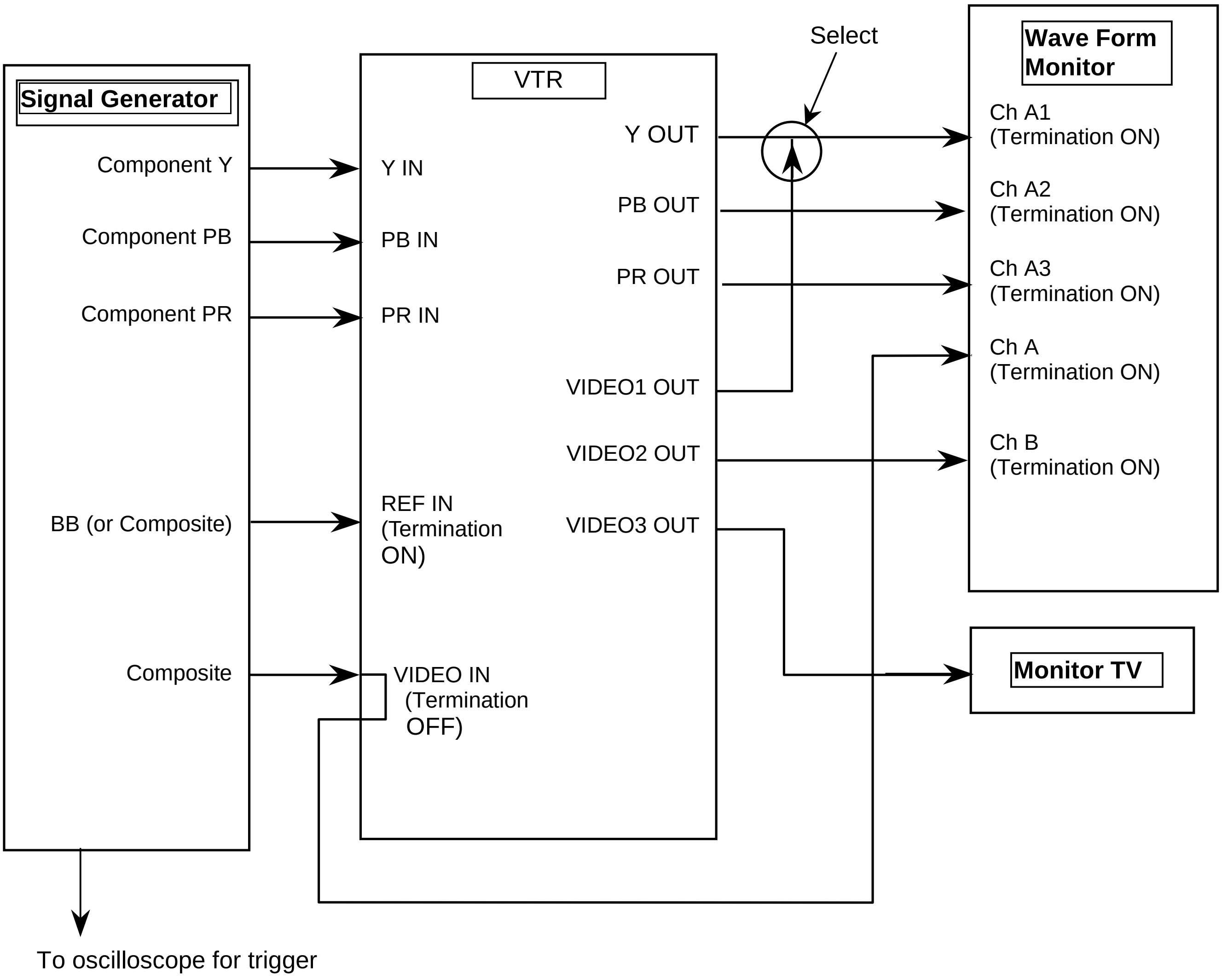
1. Open the SERVICE MENU. (Refer to SEC1 Service Information.)
2. Select the **C00: VIN ADJUST** and press the “SET” button to open the V IN ADJUST MENU.
3. Select **C-2 CMPST ADJUST** and press the “SET” button to open the CMPST ADJUST menu.
4. Adjust **C09 SITE CAXIS** so that the all vector dots are in the inner box.
5. Close the menu.



5. V IN (F2A:AJ-YA932G)


5-1. Connection and Menu Setting
5-2. PLL DC Adjustment
5-3. Composite Color Demodulation Timing Adjustment
5-4. Composite SCH Detection Adjustment
5-5. Component Y signal level Adjustment
5-6. Component Y Signal Offset level Adjustment
5-7. Component Pb Signal Offset level Adjustment
5-8. Component Pr signal Offset level Adjustment
5-9 Component Pb signal Level Adjustment
5-10. Component Pr Signal Level Adjustment
5-11. Component Pb Signal Timing Adjustment
5-12. Component Pr Signal Timing Adjustment
5-13. Composite Y signal Level Adjustment
5-14. Composite Y Signal Offset level Adjustment
5-15. Composite Pb Signal Offset level Adjustment
5-16. Composite Pr signal Offset level Adjustment
5-17. Composite Pb signal Level Adjustment
5-18. Composite Pr Signal Level Adjustment
5-19. Composite Pb/Pr Signal Timing Adjustment
5-20. Composite Video Out Phase Adjustment

5-1. Connection and Menu Setting


Signal Generator
Component Y
Component PB
Component PR
BB (or Composite)
Composite
VTR
Y IN
PB IN
PR IN
REF IN
(Termination
ON)
VIDEO IN
(Termination
OFF)
Y OUT
PB OUT
PR OUT
VIDEO1 OUT
VIDEO2 OUT
VIDEO3 OUT
Select
Wave Form
Monitor
Ch A1
(Termination ON)
Ch A2
(Termination ON)
Ch A3
(Termination ON)
Ch A
(Termination ON)
Ch B
(Termination ON)
Monitor TV
To oscilloscope for trigger

<Caution>

1. Set the component output level of signal generator to β CAM level.
2. Before starting adjustment, it needs aging more than 15 minutes.

5-2. PLL DC Adjustment

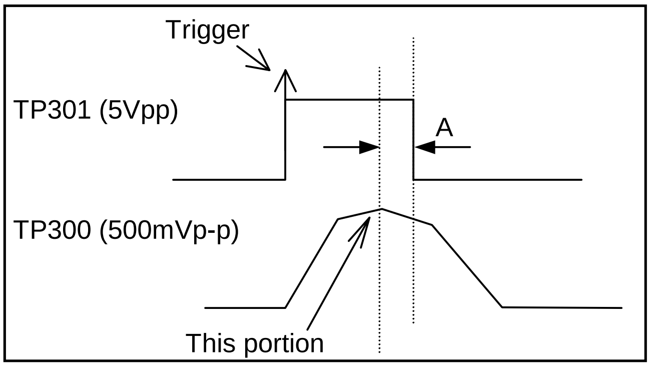
BOARD	V IN (F2A)
TP	TP450 (PLL DC)[A-2]
ADJ.	VC450 (VCO DC)[B-2]
TAPE	-----
INPUT	Analog Component Signal (100% Color Bar)
MODE	EE
M. EQ	Oscilloscope
SPEC.	DC voltage : 0 ± 0.1V

1. Connect the scope to TP450. And adjust VC450 so that the DC voltage is in the specification.

5-3. Composite Color Demodulation Timing Adjustment

BOARD	V IN (F2A)
TP	TP300(APC)[C-1], TP301(BGP)[C-1]
ADJ.	VR300 (RSTH)[B-1]
TAPE	-----
INPUT	Analog Composite Signal (100% Color Bar)
MODE	EE
M. EQ	Oscilloscope
SPEC.	A= ± 1usec

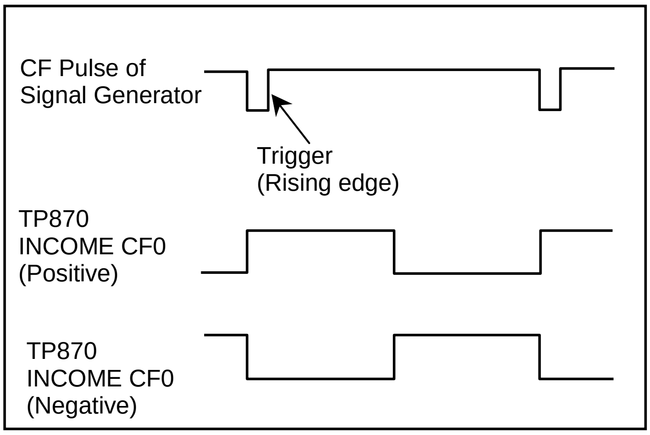
1. Set the Video Input Select Switch on the front panel to “CMPST” (Composite).
2. Turn VR300 fully clockwise and confirm that portion A is in the specification.


Trigger
TP301 (5Vpp)
A
TP300 (500mVp-p)
This portion

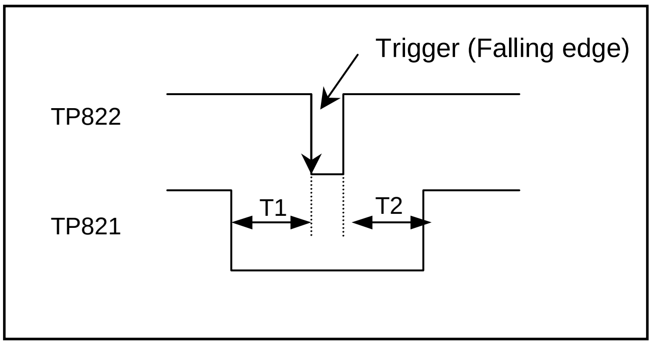
5-4. Composite SCH Detection Adjustment

BOARD	V IN (F2A)
TP	TP870 (INCF)[B-4], TP821(CF1), TP822(CF2)[A-2]
ADJ.	VR301 (SCH)[B-1]
TAPE	-----
INPUT	CF Signal of Signal Generator Analog Composite Signal (100% Color Bar)
MODE	EE
M. EQ	Oscilloscope
SPEC.	T1=T2 ± 0.5msec

1. Set the Video Input Select Switch on the front panel to “CMPST” (Composite).
2. Connect the scope CH1 to TP870 and CH2 to CF Pulse of the signal generator. And set the trigger channel to CH2. (Triggered by rising edge.)
3. Set VR301 fully counterclockwise.
4. If income CF0 pulse of the TP870 is positive pulse, turn the VR301 clockwise until changing from positive to negative as shown bellow.
5. Turn the VR301 clockwise slowly until just changing from negative to positive as shown below.


CF Pulse of
Signal Generator
Trigger
(Rising edge)
TP870
INCOME CF0
(Positive)
TP870
INCOME CF0
(Negative)

6. Connect the scope CH1 to TP822 and CH2 to TP821.
7. Adjust VR301 so that the low portion of TP822 is positioned at the center of low portion at TP821. (T1=T2 ± 0.5msec)

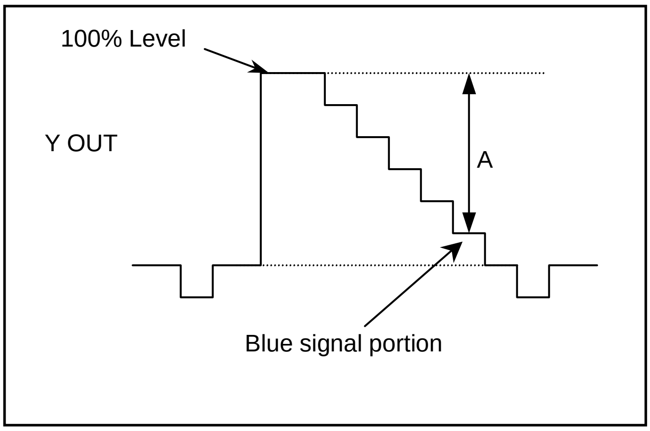

Trigger (Falling edge)
TP822
TP821
T1
T2

5-5. Component Y signal level Adjustment

BOARD	V IN (F2A)
TP	Component Y OUT
ADJ.	C01: NENT Y GAIN (Service Menu)
TAPE	-----
INPUT	Analog Component Signal (100% Color Bar)
MODE	EE
M. EQ	Analog WFM
SPEC.	Y signal(100%←→Blue) : 620 ± 3mV

(This adjustment performs without extender board.)

1. Open the SERVICE MENU. (Refer to SEC1 Service Information.)
2. Select the **C00: VIN ADJUST** and press the "SET" button to open the VIN ADJUST MENU.
3. Select **C-1: CMPNT ADJUST** and press the "SET" button to open the CMPNT ADJUST menu.
4. Adjust the **C01 NENT Y GAIN** so that the level "A" is in the specification. (Level "A" is between 100% portion and blue signal portion.)
5. Close the menu.



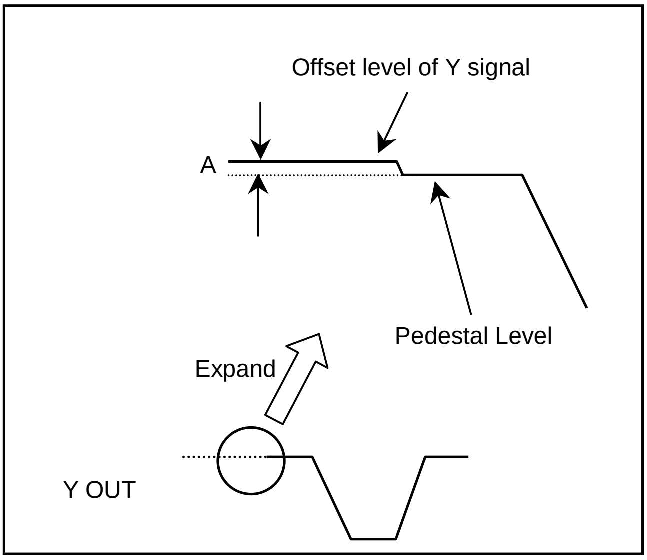
Note:
*When open the "C-1: CMPNT ADJUST" page of the Service Menu, the Video Input Select is changed to **"Y PB PR"** (Component Input) automatically.*
*And also, when open the "C-2: CMPST ADJUST" page of the Service Menu, the Video Input Select is changed to **"CMPST"** (Composite Input) automatically. However, the indicator of video input on the front panel is not changed.*

5-6. Component Y Signal Offset level Adjustment

BOARD	V IN (F2A)
TP	Component Y OUT
ADJ.	C02: NENT Y OFS (Service Menu)
TAPE	-----
INPUT	Analog Component Signal (100% Color Bar)
MODE	EE
M. EQ	Analog WFM
SPEC.	The difference between the Pedestal level and the offset level of Y signal(A):0 ± 3mV

(This adjustment performs without extender board.)

1. Open the SERVICE MENU. (Refer to SEC1 Service Information.)
2. Select the **C00: VIN ADJUST** and press the "SET" button to open the V IN ADJUST MENU.
3. Select **C-1 CMPNT ADJUST** and press the "SET" button to open the CMPNT ADJUST menu.
4. Adjust the **C02 NENT Y OFS** so that the level "A" is in the specification. (Level "A" is the difference between the pedestal level and offset level of Y signal.)
5. Close the menu.

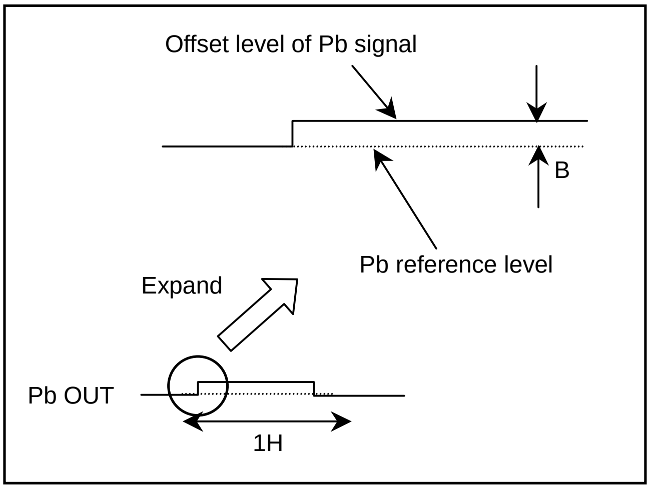


5-7. Component Pb Signal Offset level Adjustment

BOARD	V IN (F2A)
TP	Component PB OUT
ADJ.	C04: NENT PB OFS (Service Menu)
TAPE	-----
INPUT	Analog Component Signal (0% Flat Field)
MODE	EE
M. EQ	Analog WFM
SPEC.	The difference between the Pb reference level and the offset level of the Pb signal. (B) : 0 ± 3mV

(This adjustment performs without extender board.)

1. Open the SERVICE MENU. (Refer to SEC1 Service Information.)
2. Select the **C00: VIN ADJUST** and press the “SET” button to open the V IN ADJUST MENU.
3. Select **C-1 CMPNT ADJUST** and press the “SET” button to open the CMPNT ADJUST menu.
4. Adjust the **C04 NENT PB OFS** so that the level “B” is in the specification. (Level “B” is the difference between the Pb reference level and the offset level of the Pb signal.)
5. Close the menu.

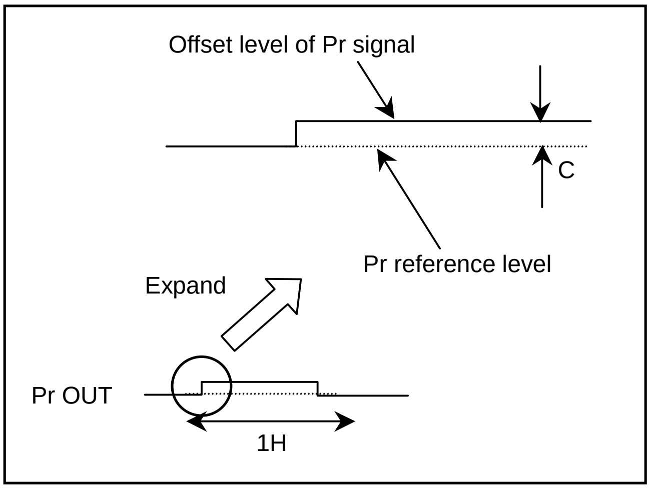


5-8. Component Pr signal Offset level Adjustment

BOARD	V IN (F2A)
TP	Component PR OUT
ADJ.	C07: NENT PR OFS (Service Menu)
TAPE	-----
INPUT	Analog Component Signal (0% Flat Field)
MODE	EE
M. EQ	Analog WFM
SPEC.	The difference between the Pr reference level and the offset level of the Pr signal. (C) : 0 ± 3mV

(This adjustment performs without extender board.)

1. Open the SERVICE MENU. (Refer to SEC1 Service Information.)
2. Select the **C00: VIN ADJUST** and press the “SET” button to open the V IN ADJUST MENU.
3. Select **C-1 CMPNT ADJUST** and press the “SET” button to open the CMPNT ADJUST menu.
4. Adjust the **C07 NENT PR OFS** so that the level “C” is in the specification. (Level “C” is the difference between the Pr reference level and the offset level of the Pr signal.)
5. Close the menu.

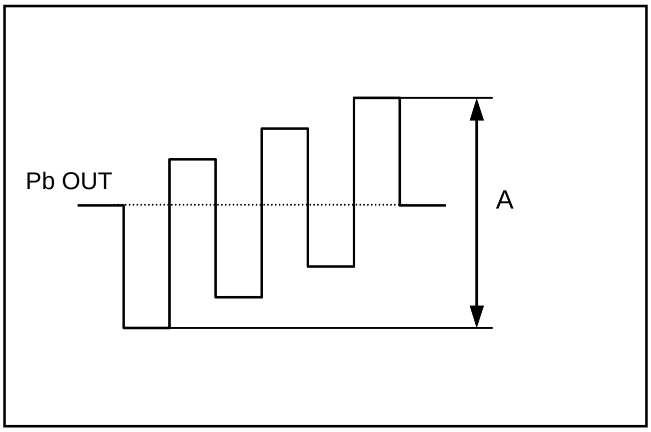


5-9 Component Pb signal Level Adjustment

BOARD	V IN (F2A)
TP	Component PB OUT
ADJ.	Service Menu
TAPE	-----
INPUT	Analog Component Signal (100% Color Bar)
MODE	EE
M. EQ	Analog WFM
SPEC.	Pb signal level (A): 700 ± 3mV

(This adjustment performs without extender board.)

1. Open the SERVICE MENU. (Refer to SEC1 Service Information.)
2. Select the **C00: VIN ADJUST** and press the “SET” button to open the V IN ADJUST MENU.
3. Select **C-1 CMPNT ADJUST** and press the “SET” button to open the CMPNT ADJUST menu.
4. Adjust the **C03 NENT PB GAIN** so that the level “A” is in the specification.
5. Close the menu.

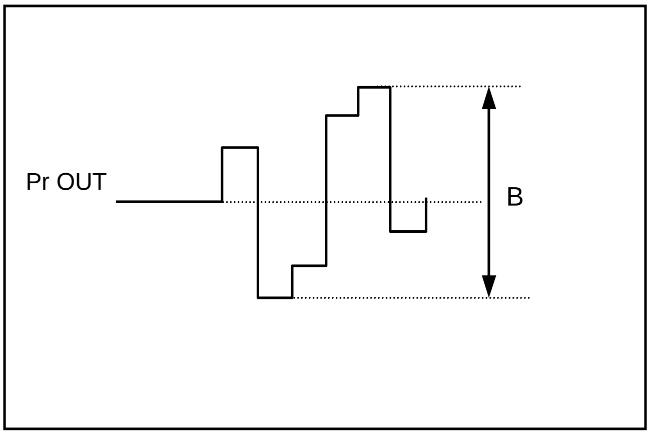


5-10.Component Pr Signal Level Adjustment

BOARD	V IN (F2A)
TP	Component PR OUT
ADJ.	Service Menu
TAPE	-----
INPUT	Analog Component Signal (100% Color Bar)
MODE	EE
M. EQ	Analog WFM
SPEC.	Pr signal level (B): 700 ± 3mV

(This adjustment performs without extender board.)

1. Open the SERVICE MENU. (Refer to SEC1 Service Information.)
2. Select the **C00: VIN ADJUST** and press the “SET” button to open the V IN ADJUST MENU.
3. Select **C-1 CMPNT ADJUST** and press the “SET” button to open the CMPNT ADJUST menu.
4. Adjust the **C06 NENT PR GAIN** so that the level “B” is in the specification.
5. Close the menu.

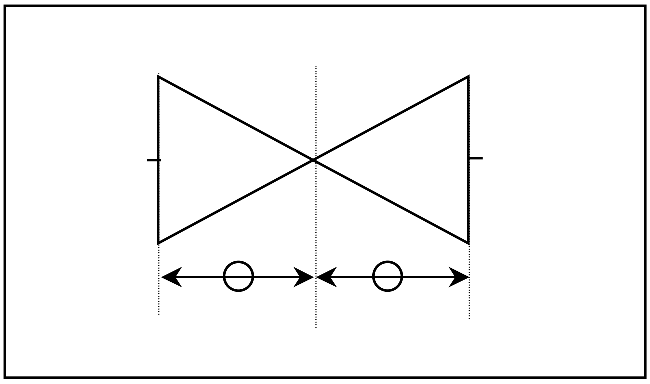


5-11.Component Pb Signal Timing Adjustment

BOARD	V IN (F2A)
TP	Component Y/Pb OUT
ADJ.	C05: NENT PB TMG (Service Menu)
TAPE	-----
INPUT	Analog Component Signal (Bowtie)
MODE	EE
M. EQ	Analog WFM (Bowtie mode)
SPEC.	Relative Timing: 0 ± 5nsec

(This adjustment performs without extender board.)

1. Open the SERVICE MENU. (Refer to SEC1 Service Information.)
2. Select the **C00: VIN ADJUST** and press the “SET” button to open the V IN ADJUST MENU.
3. Select **C-1 CMPNT ADJUST** and press the “SET” button to open the CMPNT ADJUST menu.
4. Adjust the **C05 NENT PB TMG** so that the crossing point of the Bowtie signal becomes a center (Timing = 0 ± 5nsec).
5. Close the menu.



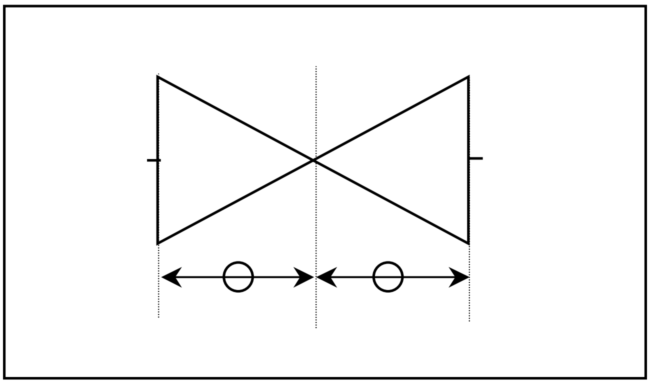
<Note>
Incase of WFM does not have “Bow tie mode” (Y-Pb timing adjustment mode), if the oscilloscope has “ADD” and “INVERT” switch, it is possible to make the following waveform by those switch.

5-12.Component Pr Signal Timing Adjustment

BOARD	V IN (F2A)
TP	Component Y/Pr OUT
ADJ.	C08: NENT PR TMG (Service Menu)
TAPE	-----
INPUT	Analog Component Signal (Bowtie)
MODE	EE
M. EQ	Analog WFM (Bowtie mode)
SPEC.	Relative Timing: 0 ± 5nsec

(This adjustment performs without extender board.)

1. Open the SERVICE MENU. (Refer to SEC1 Service Information.)
2. Select the **C00: VIN ADJUST** and press the “SET” button to open the V IN ADJUST MENU.
3. Select **C-1 CMPNT ADJUST** and press the “SET” button to open the CMPNT ADJUST menu.
4. Adjust the **C08 NENT PR TMG** so that the crossing point of the Bowtie signal becomes a center (Timing = 0 ± 5nsec).
5. Close the menu.



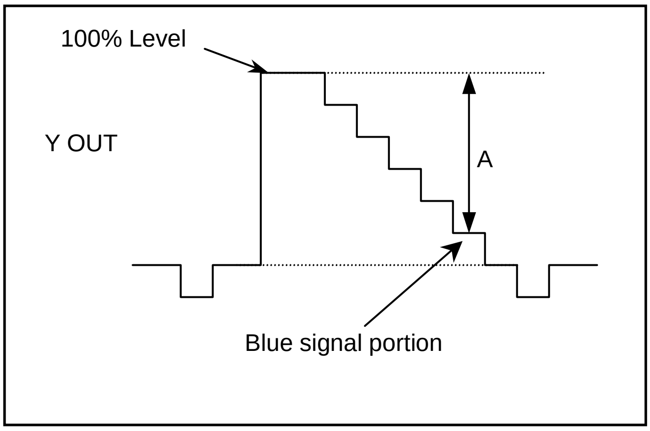
<Note>
Incase of WFM does not have “Bow tie mode” (Y-Pr timing adjustment mode), if the oscilloscope has “ADD” and “INVERT” switch, it is possible to make the following waveform by those switch.

5-13.Composite Y signal Level Adjustment

BOARD	V IN (F2A)
TP	Component Y OUT
ADJ.	C01: SITE Y GAIN (Service Menu)
TAPE	-----
INPUT	Analog Composite Signal (100% Color Bar)
MODE	EE
M. EQ	Analog WFM
SPEC.	Y signal (A)(100%←→Blue) : 620 ± 3mV

(This adjustment performs without extender board.)

1. Open the SERVICE MENU. (Refer to SEC1 Service Information.)
2. Select the **C00: VIN ADJUST** and press the "SET" button to open the V IN ADJUST MENU.
3. Select **C-2 CMPST ADJUST** and press the "SET" button to open the CMPST ADJUST menu.
4. Adjust the **C01 SITE Y GAIN** so that the level "A" is in the specification. (Level "A" is between 100% portion and Blue signal portion.)
5. Close the menu.

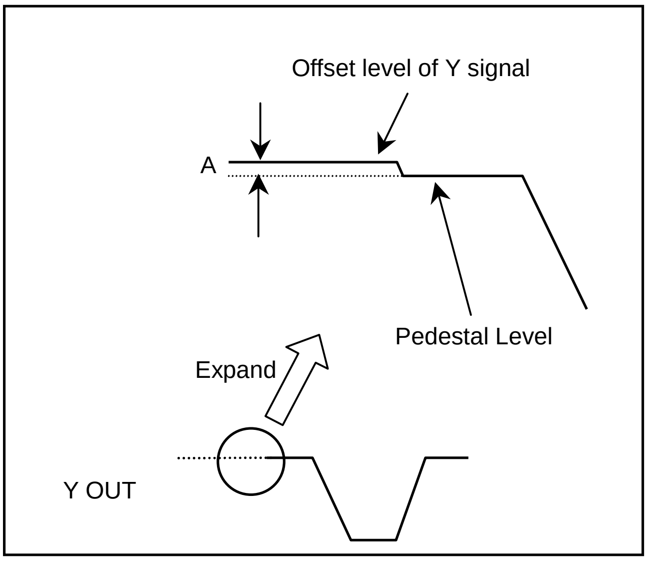


5-14.Composite Y Signal Offset level Adjustment

BOARD	V IN (F2A)
TP	Component Y OUT
ADJ.	C02: SITE Y OFS (Service Menu)
TAPE	-----
INPUT	Analog Composite Signal (100% Color Bar)
MODE	EE
M. EQ	Analog WFM
SPEC.	The difference between the Pedestal level and the offset level of Y signal (A) : 0 ± 3mV

(This adjustment performs without extender board.)

1. Open the SERVICE MENU. (Refer to SEC1 Service Information.)
2. Select the **C00: V IN ADJUST** and press the "SET" button to open the V IN ADJUST MENU.
3. Select **C-2 CMPST ADJUST** and press the "SET" button to open the CMPST ADJUST menu.
4. Adjust the **C02 SITE Y OFS** so that the level "A" is in the specification. (Level "A" is the difference between the pedestal level and offset level of Y signal.)
5. Close the menu.

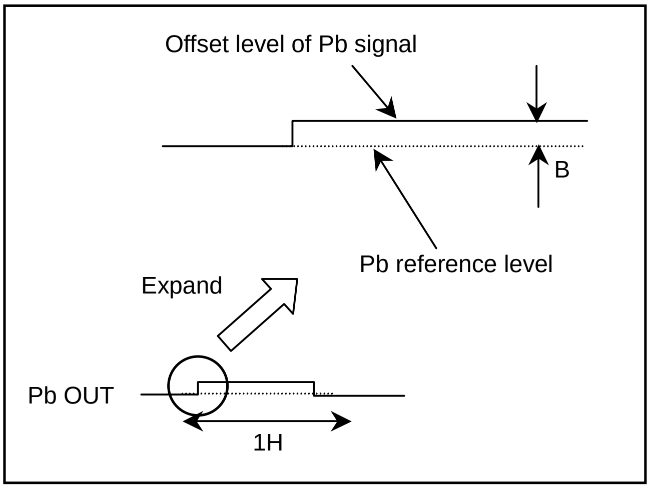


5-15.Composite Pb Signal Offset level Adjustment

BOARD	V IN (F2A)
TP	Component Pb OUT
ADJ.	C04: SITE PB OFS (Service Menu)
TAPE	-----
INPUT	Analog Composite Signal (0% Flat Field)
MODE	EE
M. EQ	Analog WFM
SPEC.	The difference between the Pb reference level and the offset level of the Pb signal. (B) : 0± 3mV

(This adjustment performs without extender board.)

1. Open the SERVICE MENU. (Refer to SEC1 Service Information.)
2. Select the **C00: VIN ADJUST** and press the “SET” button to open the V IN ADJUST MENU.
3. Select **C-2 CMPST ADJUST** and press the “SET” button to open the CMPST ADJUST menu.
4. Adjust the **C04 SITE PB OFS** so that the level “B” is in the specification. (Level “B” is the difference between the Pb reference level and the offset level of the Pb signal.)
5. Close the menu.

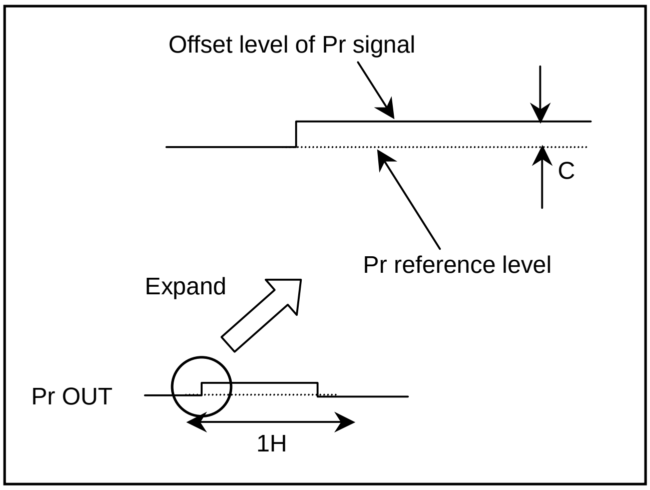


5-16.Composite Pr signal Offset level Adjustment

BOARD	V IN (F2A)
TP	Component Pr OUT
ADJ.	C07: SITE PR OFS (Service Menu)
TAPE	-----
INPUT	Analog Composite Signal (0% Flat Field)
MODE	EE
M. EQ	Analog WFM
SPEC.	The difference between the Pr reference level and the offset level of the Pr signal. (C) : 0± 3mV

(This adjustment performs without extender board.)

1. Open the SERVICE MENU. (Refer to SEC1 Service Information.)
2. Select the **C00: VIN ADJUST** and press the “SET” button to open the V IN ADJUST MENU.
3. Select **C-2 CMPST ADJUST** and press the “SET” button to open the CMPST ADJUST menu.
4. Adjust the **C07 SITE PR OFS** so that the level “C” is in the specification. (Level “C” is the difference between the Pr reference level and the offset level of the Pr signal.)
5. Close the menu.

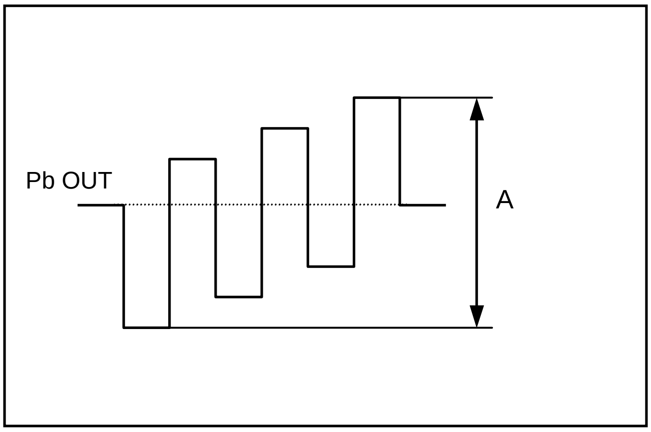


5-17.Composite Pb signal Level Adjustment

BOARD	V IN (F2A)
TP	Composite PB OUT
ADJ.	C03: SITE PB GAIN (Service Menu)
TAPE	-----
INPUT	Analog Composite Signal (100% Color Bar)
MODE	EE
M. EQ	Analog WFM
SPEC.	Pb signal level (A): 700± 3mV

(This adjustment performs without extender board.)

1. Open the SERVICE MENU. (Refer to SEC1 Service Information.)
2. Select the **C00: VIN ADJUST** and press the “SET” button to open the V IN ADJUST MENU.
3. Select **C-2 CMPST ADJUST** and press the “SET” button to open the CMPST ADJUST menu.
4. Adjust the **C03 SITE PB GAIN** so that the level “A” is in the specification.
5. Close the menu.

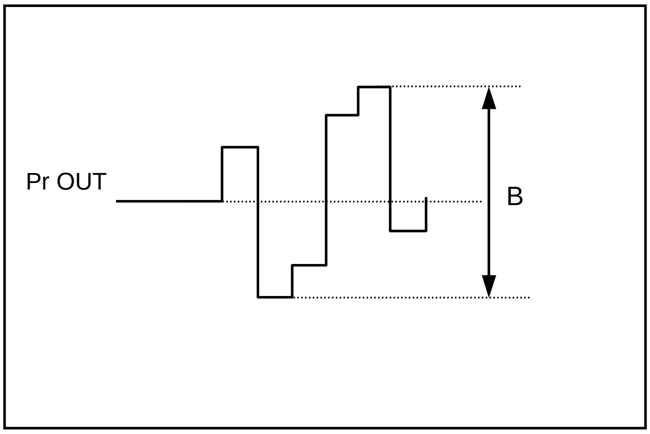


5-18.Composite Pr Signal Level Adjustment

BOARD	V IN (F2A)
TP	Composite PR OUT
ADJ.	C06: SITE PR GAIN (Service Menu)
TAPE	-----
INPUT	Analog Composite Signal (100% Color Bar)
MODE	EE
M. EQ	Analog WFM
SPEC.	Pr signal level (B): 700± 3mV

(This adjustment performs without extender board.)

1. Open the SERVICE MENU. (Refer to SEC1 Service Information.)
2. Select the **C00: VIN ADJUST** and press the “SET” button to open the V IN ADJUST MENU.
3. Select **C-2 CMPST ADJUST** and press the “SET” button to open the CMPST ADJUST menu.
4. Adjust the **C06 SITE PR GAIN** so that the level “B” is in the specification.
5. Close the menu.



5-19.Composite Pb/Pr Signal Timing Adjustment

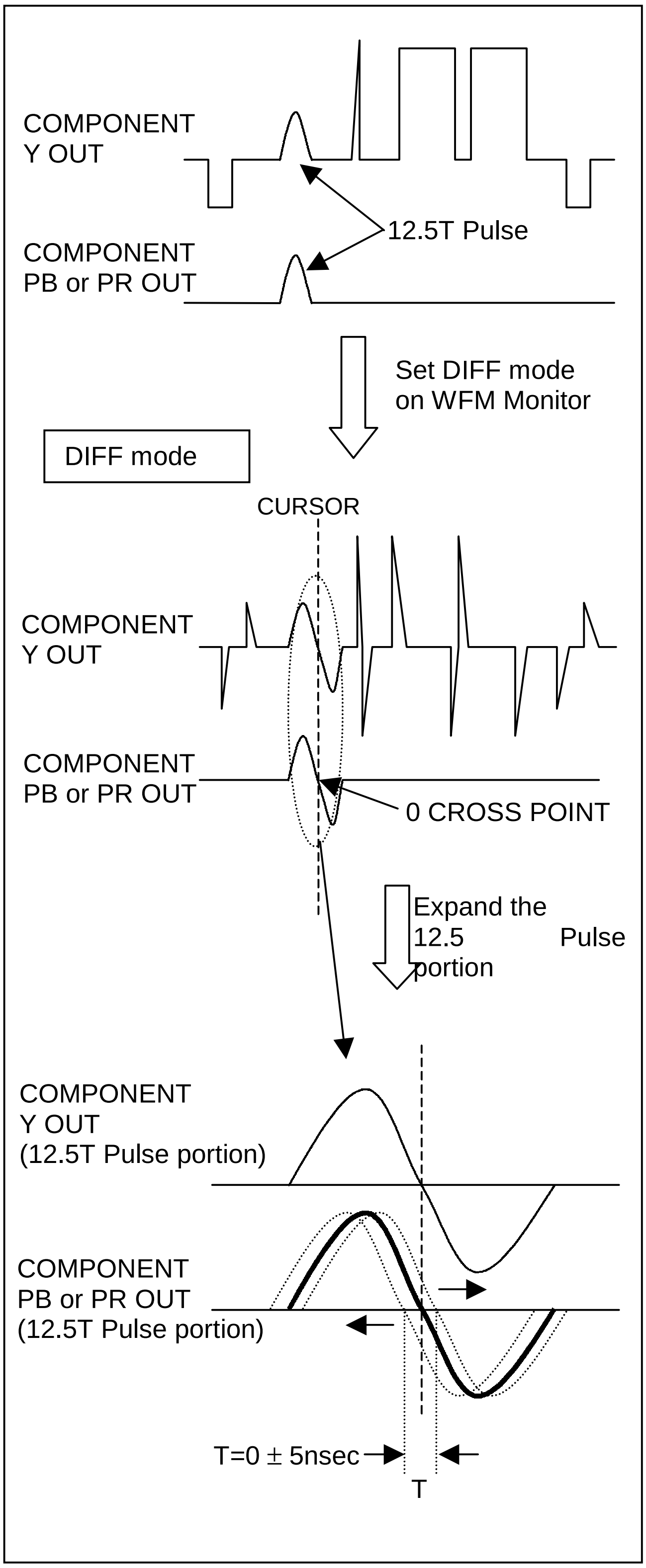
BOARD	V IN (F2A)
TP	Y, Pr, Pb OUT
ADJ.	C05: SITE PB TMG (Service Menu)
TAPE	-----
INPUT	Analog Composite Signal (Pulse and Bar with 12.5T modulation Signal)
MODE	EE
M. EQ	Analog WFM (DIFF mode)
SPEC.	T = 0± 5nsec

(This adjustment performs without extender board.)

1. Confirm that the 12.5T modulation signal portion of Component Y OUT is displayed correctly on the WFM as shown in figure.
2. Confirm that the 12.5T modulation signal portion of Component PB and PR OUT is displayed correctly on the WFM as shown in figure.
3. Set WFM monitor to DIFF mode. In the DIFF mode, waveform of Y and PB or PR signals are integrated as shown in figure.
4. Expand the 12.5 pulse portion (an ellipse dotted portion as indicated in figure) and set the cursor to 0 cross point as shown in figure.
5. Open the SERVICE MENU (Refer to SEC1 Service Information.)
6. Select the **C00: VIN ADJUST** and press the “SET” button to open the V IN ADJUST MENU.
7. Select **C-2 CMPST ADJUST** and press the “SET” button to open the CMPST ADJUST menu.
8. Adjust the **C05 SITE PB TMG or C08 SITE PR TMG** so that the signal timing between Y and PB or PR signal is in the specification.
9. Close the Menu.

NOTE:

Please use WFM Monitor with DIFF mode.

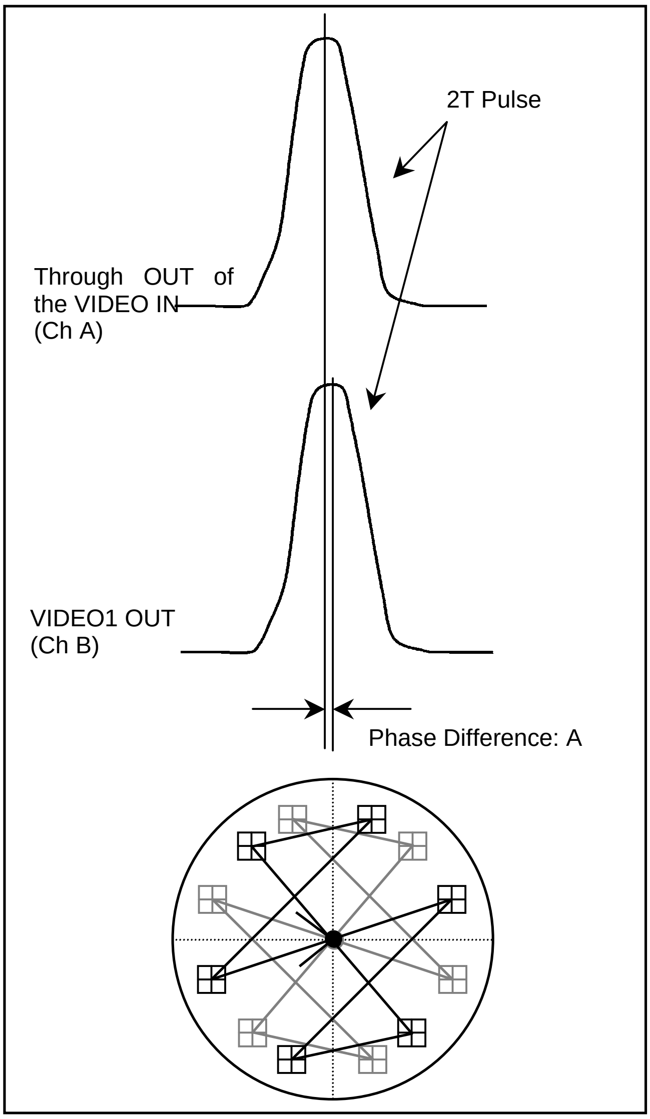

COMPONENT Y OUT
COMPONENT PB or PR OUT
12.5T Pulse
Set DIFF mode on WFM Monitor
DIFF mode
CURSOR
COMPONENT Y OUT
COMPONENT PB or PR OUT
0 CROSS POINT
Expand the 12.5 Pulse portion
COMPONENT Y OUT (12.5T Pulse portion)
COMPONENT PB or PR OUT (12.5T Pulse portion)
T=0 ± 5nsec
T

5-20.Composite Video Out Phase Adjustment

BOARD	V IN (F2A)
TP	VIDEO IN THRU VIDEO1 OUT
ADJ.	VR450 (SYNCϕ)[A-1]
TAPE	-----
INPUT	Analog Composite Signal (Pulse and Bar with 2T modulation Signal) (100% Color Bar)
MODE	EE
M. EQ	Analog WFM
SPEC.	Phase Difference A : 0 ± 10nsec

(This adjustment performs without extender board.)

1. Input Pulse and Bar signal to Video IN terminal. Adjust VR450 (SYNCϕ) so that the phase difference of 2T pulse between through out of the VIDEO IN and the VIDEO OUT 1 is in the specification.
2. Change input signal to 100% color bar signal. Then confirm that signal line on a vector scope should be linear line. If it is not, execute fine adjustment of VR450.

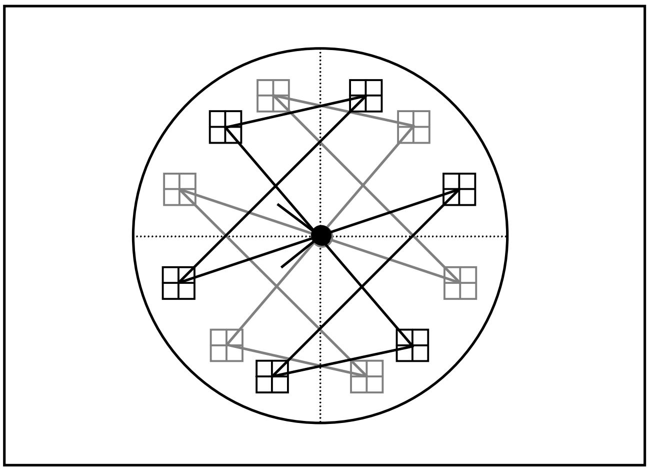


5-21.Composite Vector Adjustment

BOARD	V IN (F2A)
TP	VIDEO 1 OUT
ADJ.	C09: SITE CAXIS (Service Menu)
TAPE	-----
INPUT	Analog Composite Signal (100% Color Bar)
MODE	EE
M. EQ	Analog WFM
SPEC.	All vector dots are in the inner box

(This adjustment performs without extender board.)

1. Open the SERVICE MENU. (Refer to SEC1 Service Information.)
2. Select the **C00: VIN ADJUST** and press the “SET” button to open the V IN ADJUST MENU.
3. Select **C-2 CMPST ADJUST** and press the “SET” button to open the CMPST ADJUST menu.
4. Adjust **C09 SITE CAXIS** so that the all vector dots are in the inner box.
5. Close the menu.



6. REC/PB (F4)

6-1. Setting

< User Menu & Front Switch Setting>

1. Open the User Menu and set the items as shown below.

MENU	Setting
012 SYS FORMAT	50M
013 PB FORMAT	AUTO
803 TELETEXT DET	AUTO
804 BLANK LINE	THRU

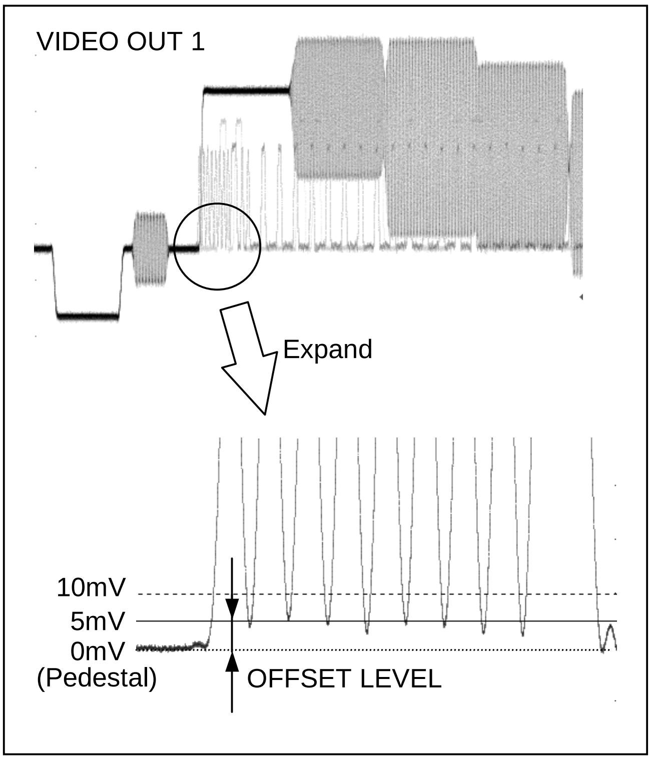
2. Set the Front Switch as shown bellow.

MODE SW	EE
TCG SW	INT REGEN
SUPER	ON

6-2. V-BLK TELETEXT OFFSET LEVEL Adjustment

BOARD	REC/PB (F4)
TP	VIDEO OUT 1
ADJ.	VR701 (TXT OFST)[B-2]
TAPE	525(NTSC): VFM3380KM Alignment Tape (Color bar 0:00-4:00)
INPUT	-----
MODE	Playback
M. EQ	Analog WFM or Oscilloscope
SPEC.	Average 5mV± 5mV

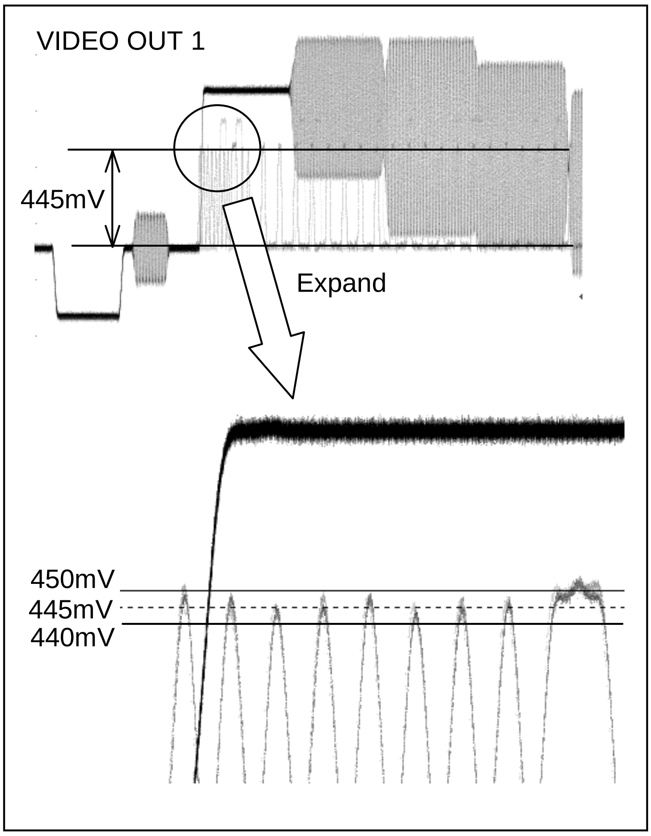
1. Adjust VR701 so that the TELETEXT offset level is in the specification as shown in figure.



6-3. V-BLK TELETEXT LEVEL Adjustment

BOARD	REC/PB (F4)
TP	VIDEO OUT 1
ADJ.	VR700 (TXT LEVEL)[B-2]
TAPE	525(NTSC): VFM3380KM Alignment Tape (Color bar 0:00-4:00)
INPUT	-----
MODE	Playback
M. EQ	Analog WFM or Oscilloscope
SPEC.	Average 445mV± 5mV (Pedestal-maximum portion of teletext)

1. Adjust VR700 so that the TELETEXT level is in the specification as shown in figure.



7. AUDIO (F1) & RF/CUE

7-1. Setting and VR Location

1. Set the audio impedance switches on the Audio (F1) board as shown below.

SW100(CH1) : HIGH SW101(CH2) : HIGH
SW200(CH3) : HIGH SW201(CH4) : HIGH

2. Set the Front Switch as shown bellow.

REC VR(CH1,CH2)	Center
Audio Input Select	ANALOG
REMOTE/LOCAL	LOCAL
HEAD PHONES	L(CH1) R(CH2)
HP VR	Center

1. Set the Audio Analyzer as shown below.

Audio Analyzer	
GENERATOR OUTPUT	50Ω (A&B, BAL, FLOAT)
ANALYZER CHA INPUT	100KΩ
ANALYZER CHB INPUT	100KΩ
UNIT SETTING	dBu

<Service Menu Setting>

1. Open the Service Menu. (Refer to SEC1 Service Information.)
2. Select the **G00: AUDIO ADJUST**.
3. Set the items as shown below

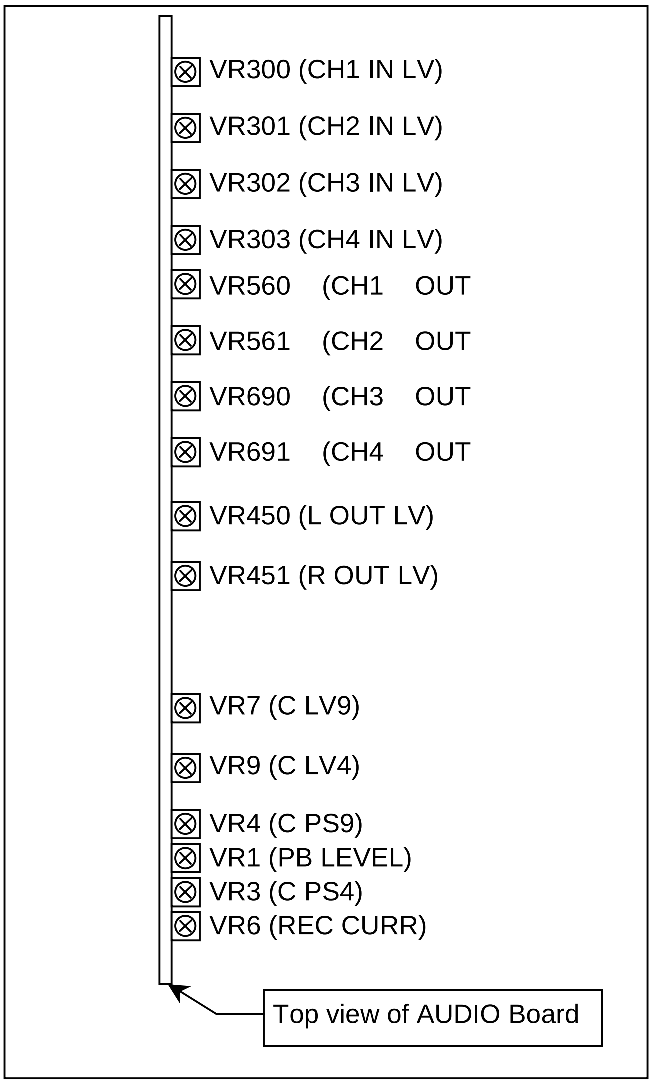
MENU	Setting
G01:REF LEVEL1	FS-20
G02:REF LEVEL2	0dB
G03:REF LV INI	0dB
G05:MIC IN LV	ENA
G06:AES PHS CORR	NORMAL
G09:LINE OUT CUE	OFF

<User Menu Setting>

1. Open the User Menu and set the items as shown below.

MENU	Setting
012 SYS FORMAT	50M
013 PB FORMAT	AUTO
701 CH1 IN LEV	0dB
702 CH2 IN LEV	0dB
703 CH3 IN LEV	0dB
704 CH4 IN LEV	0dB
706 CH1 OUT LEV	0dB
707 CH2 OUT LEV	0dB
708 CH3 OUT LEV	0dB
709 CH4 OUT LEV	0dB
711 MONIL OUT LV	0dB
712 MONIR OUT LV	0dB
722 REC CH1	CH1
723 REC CH2	CH2
724 REC CH3	CH3
725 REC CH4	CH4
726 REC CUE	CH1
738 AUDIO VR SEL	REC
750 DV PB ATT	ON

<VR Location of AUDIO Board>


VR300 (CH1 IN LV)
VR301 (CH2 IN LV)
VR302 (CH3 IN LV)
VR303 (CH4 IN LV)
VR560 (CH1 OUT
VR561 (CH2 OUT
VR690 (CH3 OUT
VR691 (CH4 OUT
VR450 (L OUT LV)
VR451 (R OUT LV)
VR7 (C LV9)
VR9 (C LV4)
VR4 (C PS9)
VR1 (PB LEVEL)
VR3 (C PS4)
VR6 (REC CURR)
Top view of AUDIO Board

7-2. CH1-4 Output Level Adjustment

BOARD	AUDIO (F1)
TP	AUDIO OUT (CH1-4, MON L,R)
ADJ.	VR560 (CH1 OUT LV)[G-2] VR561 (CH2 OUT LV)[G-2] VR690 (CH3 OUT LV)[F-2] VR691 (CH4 OUT LV)[E-2] VR450 (L OUT LV)[E-2] VR451 (R OUT LV)[D-2]
TAPE	-----
INPUT	INT SG
MODE	EE
M. EQ	Audio Analyzer
SPEC.	0dBu ± 0.2dB

1. Set the AUDIO INPUT SELECT switch to **“SG”**.
2. Adjust VR560 so that the CH1 OUT level is in the specification.
3. Adjust VR561 so that the CH2 OUT level is in the specification.
4. Adjust VR690 so that the CH3 OUT level is in the specification.
5. Adjust VR691 so that the CH4 OUT level is in the specification.
6. Adjust VR450 so that the MON L OUT level is in the specification.
7. Adjust VR451 so that the MON R OUT level is in the specification.
8. Confirm that the level meter (CH1-4, CUE) on the front panel is displayed at –20dB.

7-3. CH1-4 Input Level Adjustment

BOARD	AUDIO (F1)
TP	AUDIO OUT (CH1-4)
ADJ.	VR300 (CH1 IN LV)[J-2] VR301 (CH2 IN LV)[J-2] VR302 (CH3 IN LV)[H-2] VR303 (CH4 IN LV)[G-2]
TAPE	-----
INPUT	LINE IN CH1-4 (1KHz 0dBu, Sinewave)
MODE	EE
M. EQ	Audio Analyzer
SPEC.	0dBu ± 0.2dB

1. Set the AUDIO INPUT SELECT switch to **“ANALOG”**.
2. Adjust VR300 so that the CH1 OUT level is in the specification.
3. Adjust VR301 so that the CH2 OUT level is in the specification.
4. Adjust VR302 so that the CH3 OUT level is in the specification.
5. Adjust VR303 so that the CH4 OUT level is in the specification.

7-4. REC VR Center Adjustment

BOARD	AUDIO (F1)
TP	LINE OUT (CH1-4)
ADJ.	G10: VR ADJUST (Service Menu)
TAPE	-----
INPUT	INT SG
MODE	EJECT
M. EQ	Audio Analyzer
SPEC.	UNITY and VAR of CENTER click portion are same level.

1. Set the UNITY/VAR SW to “UNITY”.
2. Open the SERVICE MENU. (Refer to SEC1 Service Information.)
3. Select the **G00: AUDIO ADJUST** and press the “SET” button to open the AUDIO ADJUST MENU.
4. Select **G10 VR ADJUST** and press the “SET” button to open the VR ADJUST menu.

```
              SERVICE-MENU: VR ADJ
                                 NO. 00 - 130
* 00  :  CH1 VR LEVEL    -   130
                BACKUP   -   130
* 01  :  CH2 VR LEVEL    -   127
                BACKUP   -   127
* 02  :  CH3 VR LEVEL    -   122
                BACKUP   -   122
* 03  :  CH4 VR LEVEL    -   131
                BACKUP   -   131
```

5. Set the Audio level VR (CH1-4) to “CENTER (Click portion)”.
6. Press the “SEARCH” button to adjust the center level of REC VR. (The numeric number for CH1-4 is changed simultaneously.)
7. Set the UNITY/VAR SW to “VAR”. And close the menu. (Press the MENU button 3 times)
8. Confirm that the output level of each channel is same level at both setting of “UNITY” and “VAR (Center)”

7-5. CUE BIAS CURRENT Adjustment

BOARD	RF/CUE
TP	TP4005 [RF/CUE Board] TP4006 (GND) [RF/CUE Board]
ADJ.	VR4001(BIAS), FL4001(Core)
TAPE	Blank Tape
INPUT	No audio input
MODE	REC
M. EQ	VTVM (Wide mode)
SPEC.	7mVrms ± 0.5 mVrms

1. Set the VR4001 (BIAS) to the center position.
2. Connect the Vacuum Tube Voltmeter between TP4005 (HOT) and TP4006 (GND).
   Adjust FL4001 and VR4001 so that the voltage is in the specification.

<Note>
Adjustment position of VR4001 should not be maximum position. If it is maximum position, adjust FL4001.

7-6. CUE PB Level Adjustment

BOARD	AUDIO (F1)
TP	AUDIO OUT (CH1)
ADJ.	G09: LINE OUT CUE (Service Menu) VR5001 (PB LEVEL)[B-1]
TAPE	VFM3380KM(50M Alignment Tape) VFM3580KM/KL(25M Alignment Tape)
INPUT	-----
MODE	Playback
M. EQ	Audio Analyzer
SPEC.	0dBu ± 1.0dB

1. Open the SERVICE MENU. (Refer to SEC1 Service Information.)
2. Select the **G00: AUDIO ADJUST** and press the “SET” button to open the AUDIO ADJUST MENU.
3. Set the **G09 LINE OUT CUE** to ON.

<Caution>
During this adjustment, do not close the Service Menu. The setting of G09 LINE OUT CUE will be reset to OFF automatically.

4. Playback the 50M Alignment Tape, and adjust VR5001 (PB LEVEL) so that the LINE OUT CH1 level is in the specification.
5. Playback the 25M Alignment Tape (Indicate the “DVCPRO” on the front panel), and confirm that the LINE OUT CH1 level is in the specification.
6. Close the menu.

<Caution>
1. Clean the A/C head, before this adjustment is executed.
2. Confirm the tape path condition around A/C head.

7-7. CUE REC/PB Level Adjustment

BOARD	AUDIO (F1)
TP	AUDIO OUT (CH1)
ADJ.	VR5006 (REC CURR)[A-1]
TAPE	Blank Tape
INPUT	AUDIO IN CH1,2 (1KHz 0dBu Sinewave)
MODE	SELF-REC / PLAY
M. EQ	Audio Analyzer
SPEC.	0dBu ± 1.0dB

1. Open the SERVICE MENU. (Refer to SEC1 Service Information.)
2. Select the **G00: AUDIO ADJUST** and press the “SET” button to open the AUDIO ADJUST MENU.
3. Set the **G09 LINE OUT CUE** to ON.

<Caution>
During this adjustment, do not close the Service Menu. The setting of G09 LINE OUT CUE will be reset to OFF automatically.

4. Open the SET UP MENU by pressing the “MENU” button.
   Select the **“726 REC CUE”** item and set it to the **“CH1”**. After that press the “SET” button.
5. Supply a 1kHz, 0dBu sinewave signal into the AUDIO IN (Both CH1 and CH2) and record the input signal for few minutes.
6. Playback the just recorded portions and confirms that the AUDIO OUT (CH1) is in the specification.
7. If it is not, slightly adjust VR5006 and then repeat step 3 to 5 until it is in the specification.
8. Open the SET UP MENU again, and set the “012 SYSTM FORMAT” to 25M.
9. Perform the Item 3 to 4.

7-8. CUE Noise Cancel Adjustment

BOARD	AUDIO (F1)
TP	AUDIO OUT (CH1)
ADJ.	VR5004 (C_PS9)[B-1] VR5007 (C_LV9)[C-1] VR5003 (C_PS4[A-1] VR5009 (C_LV4)[B-1]
TAPE	Blank Tape
INPUT	No audio input
MODE	SELF-REC / PLAY
M. EQ	Audio Analyzer, Oscilloscope
SPEC.	Noise level = Less than -40dBu

<Use Audio Analyzer>

1. Open the SERVICE MENU. (Refer to SEC1 Service Information.)
2. Select the **G00: AUDIO ADJUST** and press the "SET" button to open the AUDIO ADJUST MENU.
3. Set the **G09 LINE OUT CUE** to ON.

<Caution>

During this adjustment, do not close the Service Menu. The setting of G09 LINE OUT CUE will be reset to OFF automatically.

4. Place the unit in the no audio mode and record few minute (50M mode).
5. Set the Audio analyzer as follows.
   MEASURE : BANDPASS
   BP/BR FREQ : 600Hz or 300Hz
   FILTER : OFF
6. Set BP/BR FREQ to 600Hz and playback the no audio portion.
7. Adjust VR5007 and VR5004 alternately so that the noise level of CH1 out is minimized. And confirm the noise level is in the specification.
8. Place the unit in the no audio mode and record few minute (25M mode).
9. Set BP/BR FREQ to 300Hz and playback the no audio portion.
10. Adjust VR5009 and VR5003 alternately so that the noise level of CH1 out is minimized. And confirm the noise level is in the specification.

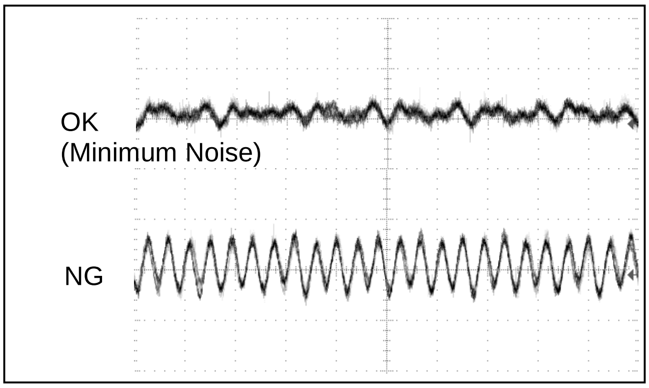
<Use Oscilloscope>

1. Open the SERVICE MENU. (Refer to SEC1 Service Information.)
2. Select the **G00: AUDIO ADJUST** and press the "SET" button to open the AUDIO ADJUST MENU.
3. Set the **G09 LINE OUT CUE** to ON.

<Caution>

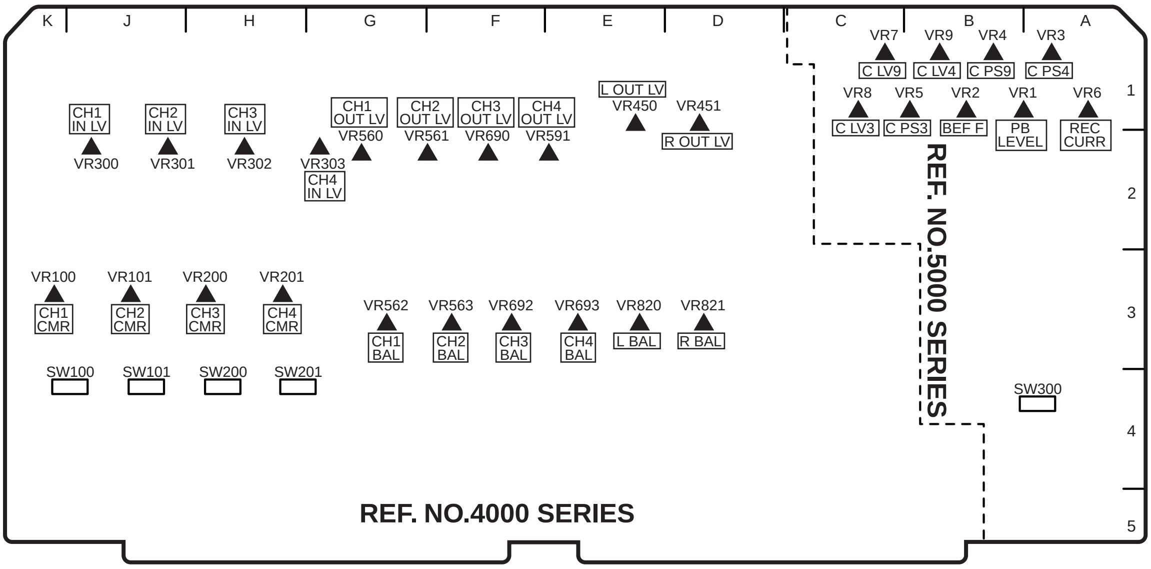
During this adjustment, do not close the Service Menu. The setting of G09 LINE OUT CUE will be reset to OFF automatically.

4. Connect the oscilloscope CH1 to Audio CH1 out.
5. Place the unit in the no audio mode and record few minute (50M mode).
6. Playback the no audio portion and adjust VR5007 and VR5004 alternately so that the noise level (A) of CH1 out is minimized.
7. Place the unit in the no audio mode and record few minute (25M mode).
8. Playback the no audio portion and adjust VR5009 and VR5003 alternately so that the noise level (A) of CH1 out is minimized.



8. TP, VR and SW Location

F1: AUDIO P.C.BOARD (VEP84383A)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VR9
VR4
VR3
C LV9
C LV4
C PS9
C PS4
VR8
VR5
VR2
VR1
VR6
C LV3
C PS3
BEF F
PB LEVEL
REC CURR
L OUT LV
VR450
VR451
R OUT LV
CH1 IN LV
CH2 IN LV
CH3 IN LV
VR300
VR301
VR302
CH1 OUT LV
CH2 OUT LV
CH3 OUT LV
CH4 OUT LV
VR560
VR561
VR690
VR591
VR303
CH4 IN LV
VR100
VR101
VR200
VR201
CH1 CMR
CH2 CMR
CH3 CMR
CH4 CMR
VR562
VR563
VR692
VR693
VR820
VR821
CH1 BAL
CH2 BAL
CH3 BAL
CH4 BAL
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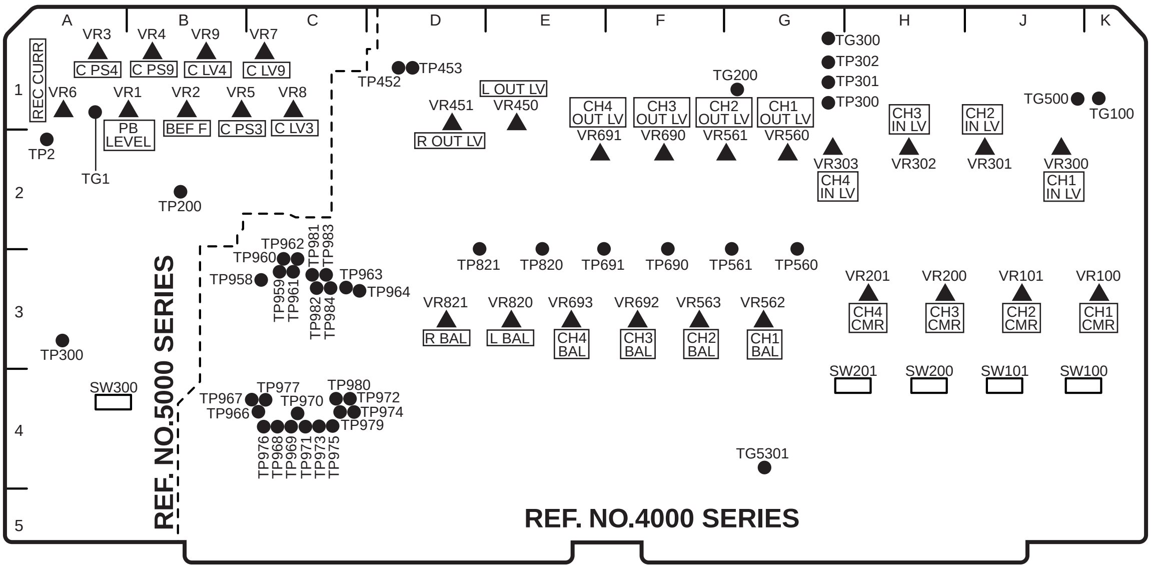
A
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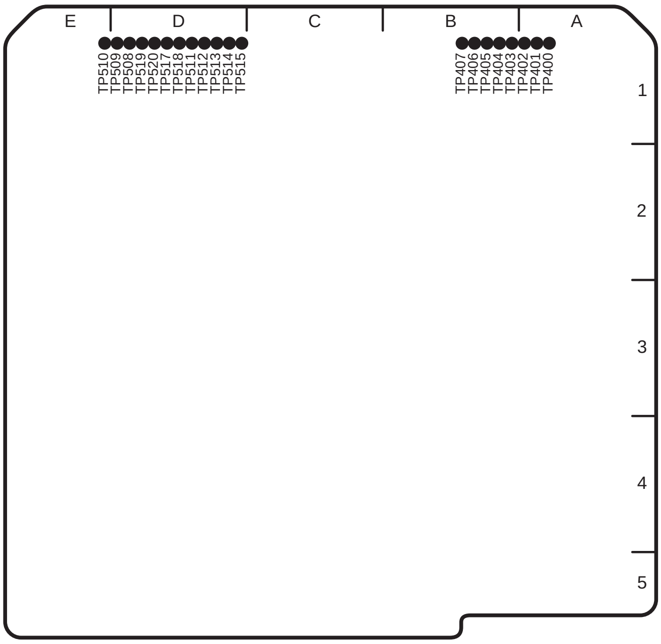
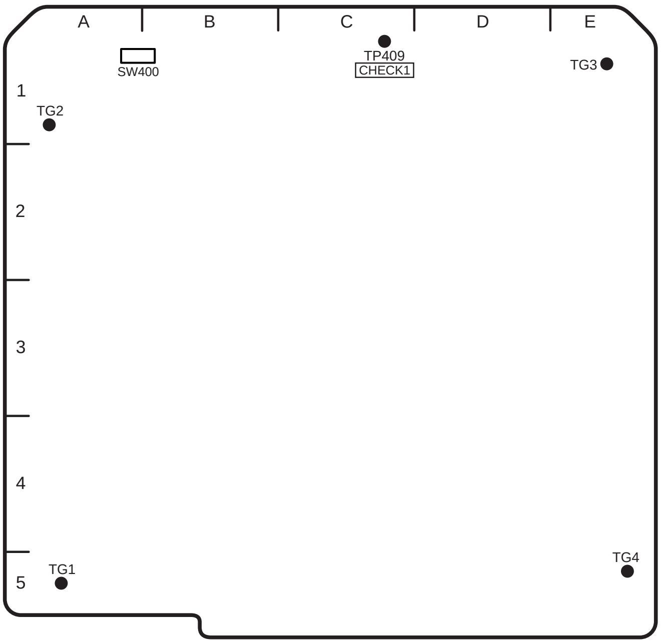
VR3
VR4
VR9
VR7
C PS4
C PS9
C LV4
C LV9
REC CURR
VR6
VR1
VR2
VR5
VR8
PB LEVEL
BEF F
C PS3
C LV3
TP2
TG1
TP200
TP453
TP452
L OUT LV
VR451
VR450
R OUT LV
CH4 OUT LV
CH3 OUT LV
CH2 OUT LV
CH1 OUT LV
TG200
VR691
VR690
VR561
VR560
TG300
TP302
TP301
TP300
CH3 IN LV
CH2 IN LV
TG500
TG100
VR303
VR302
VR301
VR300
CH4 IN LV
CH1 IN LV
TP962
TP960
TP958
TP959
TP961
TP981
TP983
TP963
TP964
TP982
TP984
TP821
TP820
TP691
TP690
TP561
TP560
VR821
VR820
VR693
VR692
VR563
VR562
R BAL
L BAL
CH4 BAL
CH3 BAL
CH2 BAL
CH1 BAL
VR201
VR200
VR101
VR100
CH4 CMR
CH3 CMR
CH2 CMR
CH1 CMR
TP300
SW300
SW201
SW200
SW101
SW100
TP977
TP980
TP967
TP970
TP972
TP966
TP974
TP979
TP976
TP968
TP969
TP971
TP973
TP975
TG5301
REF. NO.5000 SERIES
REF. NO.4000 SERIES

(COMPONENT SIDE)

F2B:A_PROC P.C.BOARD (VEP84384A)

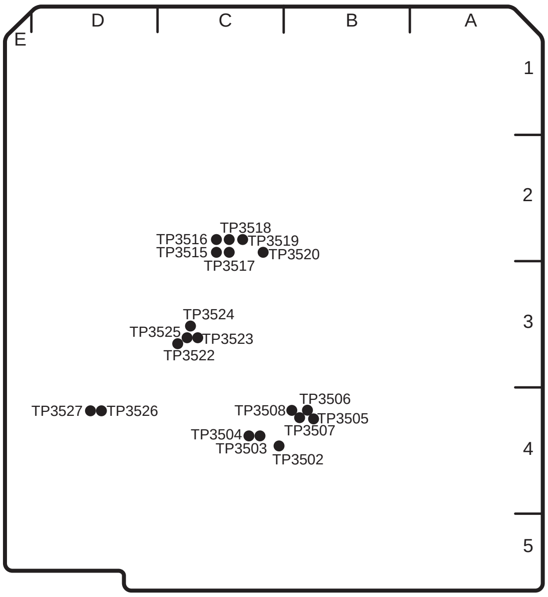

E
D
C
B
A
TP510
TP509
TP508
TP519
TP520
TP517
TP518
TP511
TP512
TP513
TP514
TP515
TP407
TP406
TP405
TP404
TP403
TP402
TP401
TP400
1
2
3
4
5

(FOIL SIDE)

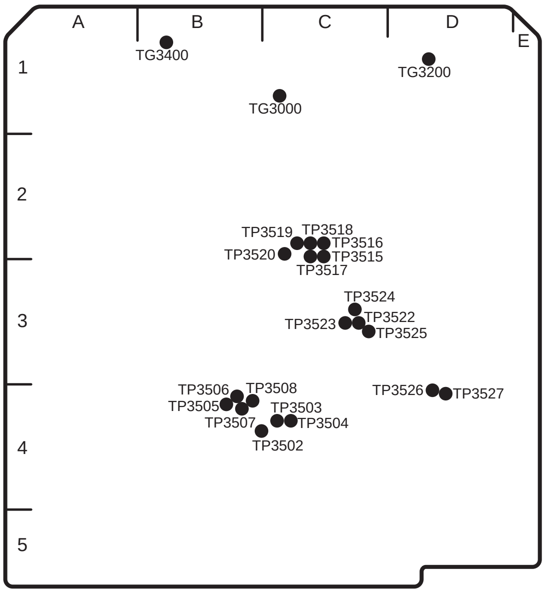

A
B
C
D
E
SW400
TP409
CHECK1
TG3
1
TG2
2
3
4
TG4
5
TG1

(COMPONENT SIDE)

F3A:SDI P.C.BOARD (VEP83605A)

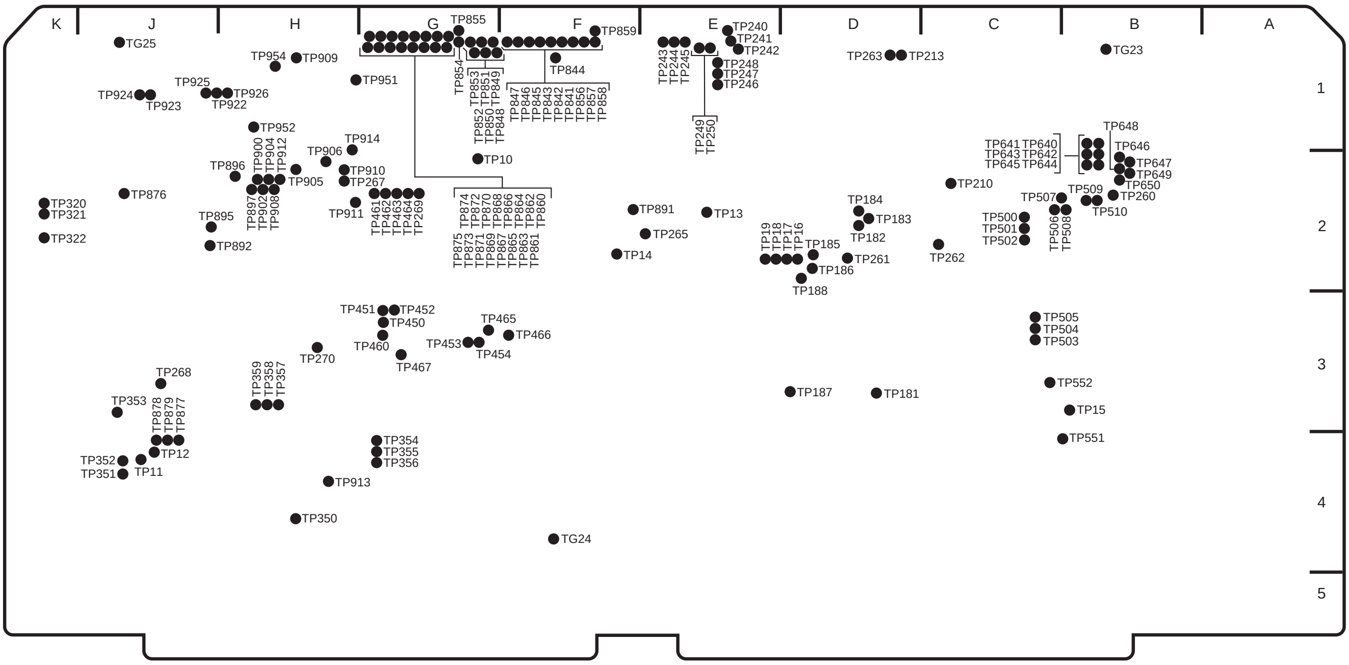

E
D
C
B
A
1
2
TP3518
TP3516
TP3519
TP3515
TP3520
TP3517
3
TP3524
TP3525
TP3523
TP3522
TP3527
TP3526
TP3506
TP3508
TP3505
TP3507
TP3504
TP3503
TP3502
4
5

(FOIL SIDE)

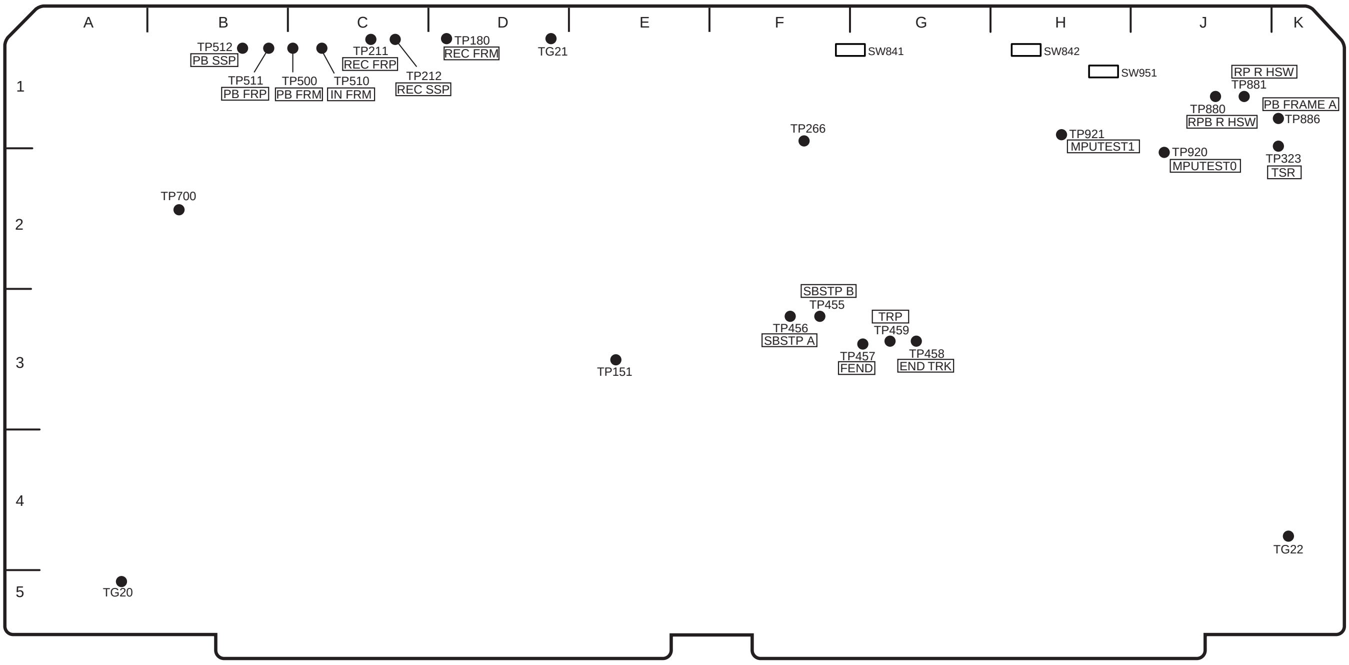

A
B
C
D
E
1
TG3400
TG3200
TG3000
2
TP3519
TP3518
TP3516
TP3520
TP3515
TP3517
3
TP3524
TP3523
TP3522
TP3525
TP3506
TP3508
TP3526
TP3527
TP3505
TP3503
TP3507
TP3504
TP3502
4
5

(COMPONENT SIDE)

F4: REC PB P.C.BOARD (VEP83596B/C)

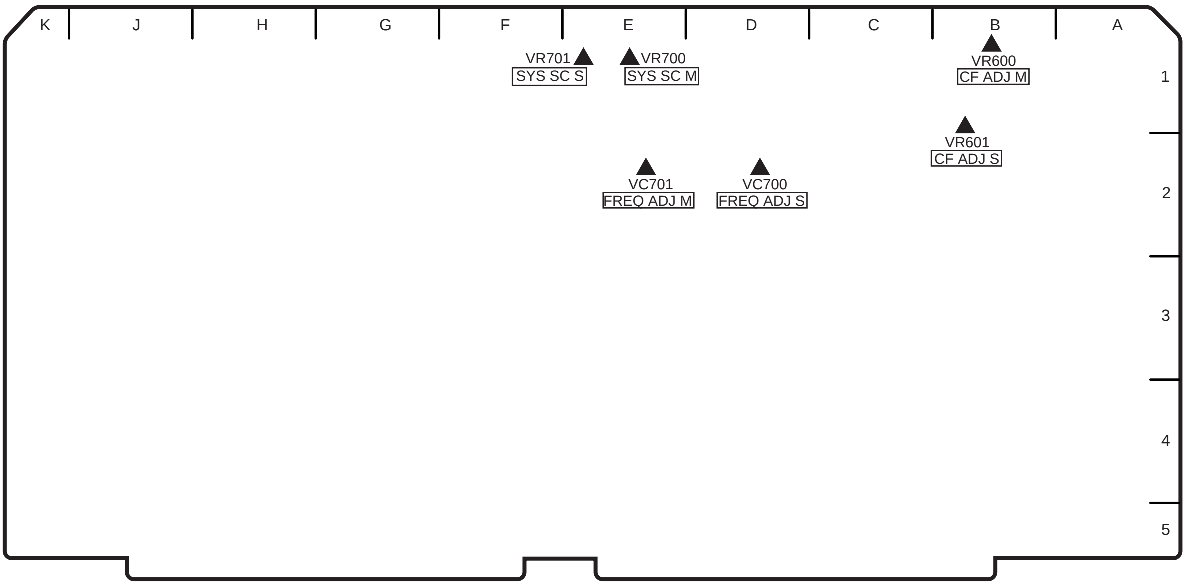

K
J
H
G
F
E
D
C
B
A
1
2
3
4
5
TG25
TP954
TP909
TP855
TP859
TP240
TP241
TP242
TP263
TP213
TG23
TP925
TP924
TP923
TP926
TP922
TP951
TP854
TP853
TP851
TP849
TP852
TP850
TP848
TP844
TP847
TP846
TP845
TP843
TP842
TP841
TP856
TP857
TP858
TP243
TP244
TP245
TP248
TP247
TP246
TP249
TP250
TP952
TP914
TP906
TP896
TP900
TP904
TP912
TP910
TP267
TP905
TP10
TP648
TP641
TP640
TP643
TP642
TP645
TP644
TP646
TP647
TP649
TP650
TP260
TP210
TP876
TP320
TP321
TP322
TP895
TP892
TP897
TP902
TP908
TP911
TP461
TP462
TP463
TP464
TP269
TP874
TP872
TP870
TP868
TP866
TP864
TP862
TP860
TP875
TP873
TP871
TP869
TP867
TP865
TP863
TP861
TP891
TP13
TP265
TP14
TP19
TP18
TP17
TP16
TP185
TP184
TP183
TP182
TP186
TP261
TP188
TP507
TP509
TP510
TP500
TP501
TP502
TP506
TP508
TP262
TP451
TP452
TP450
TP460
TP465
TP466
TP453
TP454
TP467
TP270
TP505
TP504
TP503
TP268
TP359
TP358
TP357
TP353
TP878
TP879
TP877
TP12
TP352
TP351
TP11
TP187
TP181
TP552
TP15
TP551
TP354
TP355
TP356
TP913
TP350
TG24

(FOIL SIDE)

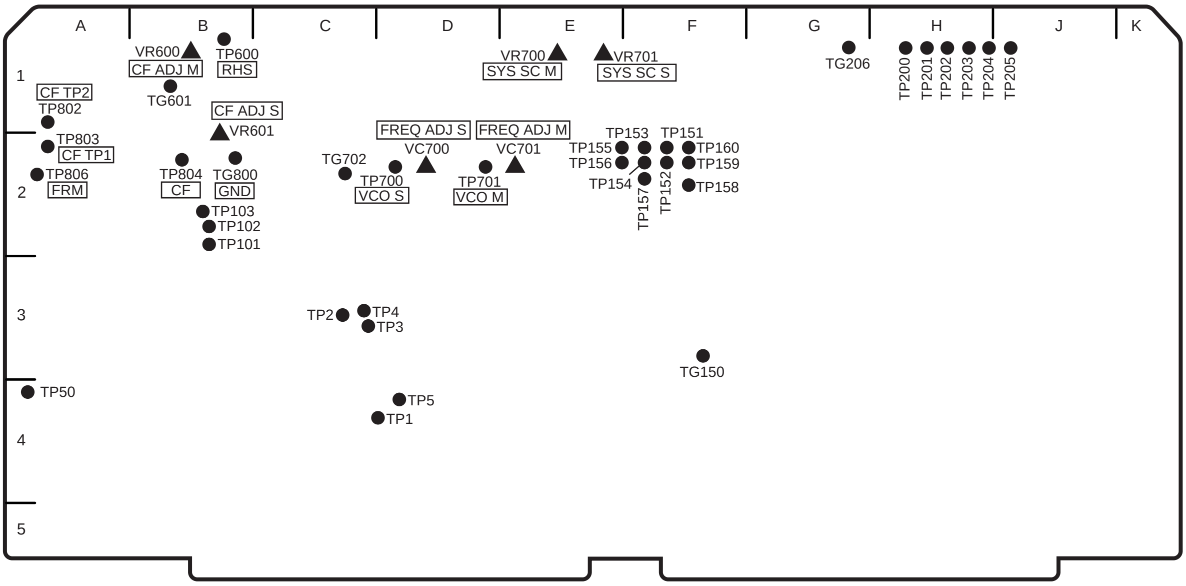

A
B
C
D
E
F
G
H
J
K
1
2
3
4
5
TP512
PB SSP
TP511
PB FRP
TP500
PB FRM
TP510
IN FRM
TP211
REC FRP
TP212
REC SSP
TP180
REC FRM
TG21
SW841
SW842
SW951
RP R HSW
TP881
TP880
RPB R HSW
PB FRAME A
TP886
TP266
TP921
MPUTEST1
TP920
MPUTEST0
TP323
TSR
TP700
SBSTP B
TP455
TP456
SBSTP A
TRP
TP459
TP457
FEND
TP458
END TRK
TP151
TG22
TG20

(COMPONENT SIDE)

F5: V_OUT P.C.BOARD (VEP83597B/C)

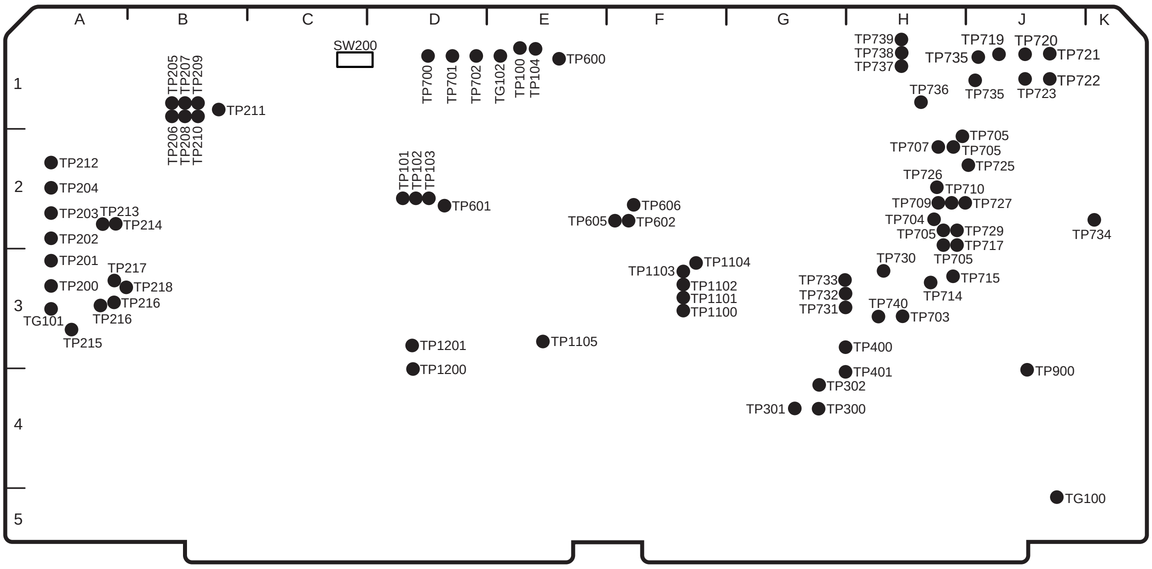

K
J
H
G
F
E
D
C
B
A
1
2
3
4
5
VR701
SYS SC S
VR700
SYS SC M
VR600
CF ADJ M
VR601
CF ADJ S
VC701
FREQ ADJ M
VC700
FREQ ADJ S

(FOLI SIDE)


A
B
C
D
E
F
G
H
J
K
1
2
3
4
5
VR600
CF ADJ M
TP600
RHS
TG601
CF TP2
TP802
TP803
CF TP1
TP806
FRM
CF ADJ S
VR601
TP804
CF
TG800
GND
TP103
TP102
TP101
FREQ ADJ S
FREQ ADJ M
VC700
VC701
TG702
TP700
VCO S
TP701
VCO M
VR700
SYS SC M
VR701
SYS SC S
TP153
TP151
TP155
TP156
TP154
TP157
TP152
TP160
TP159
TP158
TG206
TP200
TP201
TP202
TP203
TP204
TP205
TP2
TP4
TP3
TG150
TP50
TP5
TP1

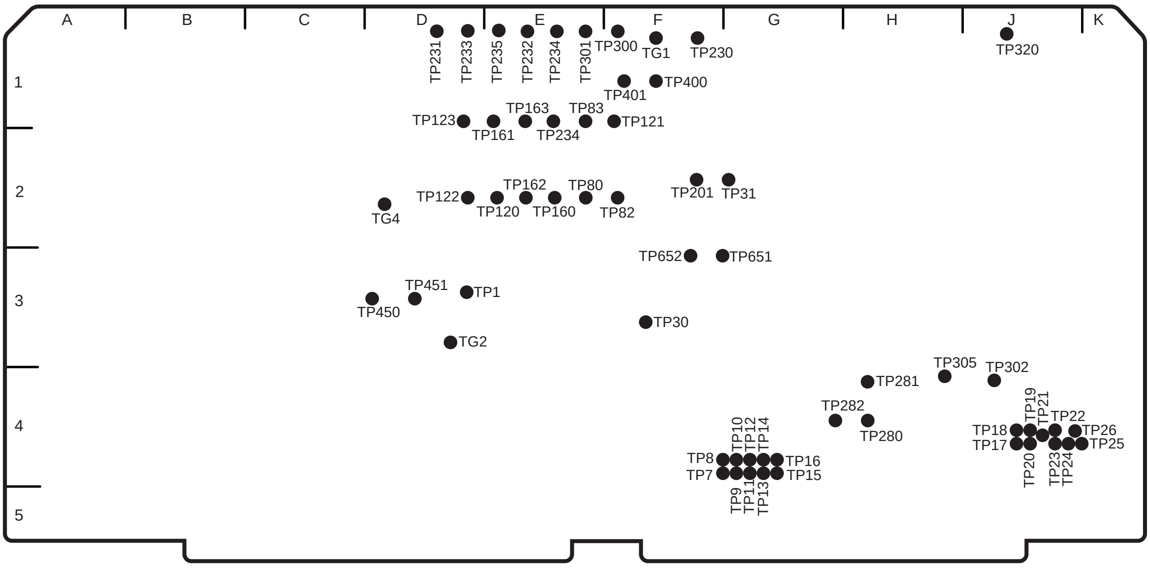
(COMPONENT SIDE)

F6: SYSCON P.C.BOARD (VEP86326B/C)


A
B
C
D
E
F
G
H
J
K
1
2
3
4
5
TP205
TP207
TP209
TP206
TP208
TP210
TP211
SW200
TP700
TP701
TP702
TG102
TP100
TP104
TP600
TP739
TP738
TP737
TP719
TP720
TP735
TP721
TP736
TP735
TP723
TP722
TP212
TP204
TP203
TP213
TP214
TP202
TP201
TP217
TP200
TP218
TP216
TG101
TP215
TP101
TP102
TP103
TP601
TP606
TP605
TP602
TP1103
TP1104
TP1102
TP1101
TP1100
TP1201
TP1200
TP1105
TP707
TP705
TP705
TP725
TP726
TP710
TP709
TP727
TP704
TP705
TP729
TP717
TP734
TP730
TP705
TP714
TP715
TP733
TP732
TP731
TP740
TP703
TP400
TP401
TP302
TP301
TP300
TP900
TG100

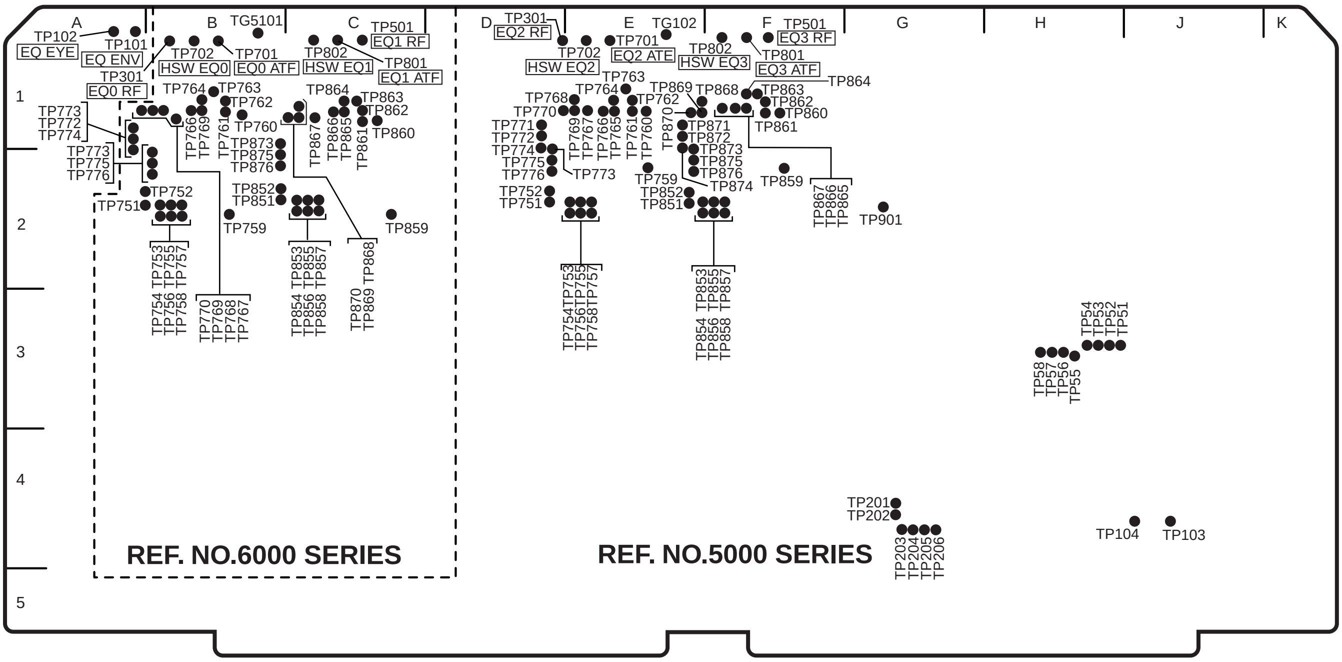
(COMPONENT SIDE)

F7: SERVO P.C.BOARD (VEP82246B/C)


A
B
C
D
E
F
G
H
J
K
1
2
3
4
5
TP231
TP233
TP235
TP232
TP234
TP301
TP300
TG1
TP230
TP320
TP401
TP400
TP123
TP163
TP83
TP121
TP161
TP234
TP162
TP80
TP201
TP31
TP122
TP120
TP160
TP82
TG4
TP652
TP651
TP451
TP1
TP450
TP30
TG2
TP305
TP302
TP281
TP282
TP280
TP10
TP12
TP14
TP8
TP16
TP7
TP15
TP9
TP11
TP13
TP19
TP21
TP22
TP18
TP26
TP17
TP25
TP20
TP23
TP24

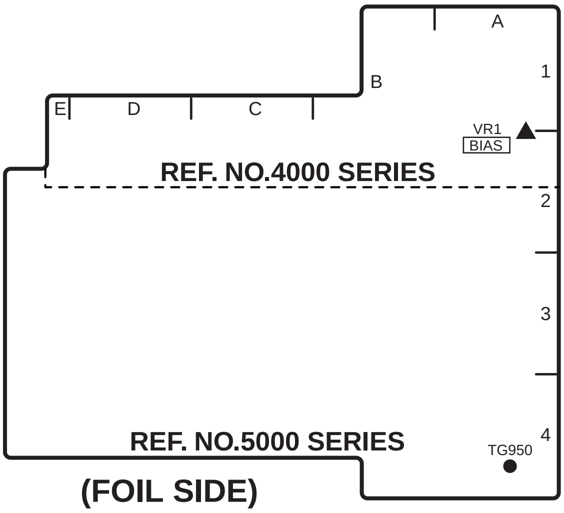
(COMPONENT SIDE)

F8: RF/EQ P.C.BOARD (VEP85207A)

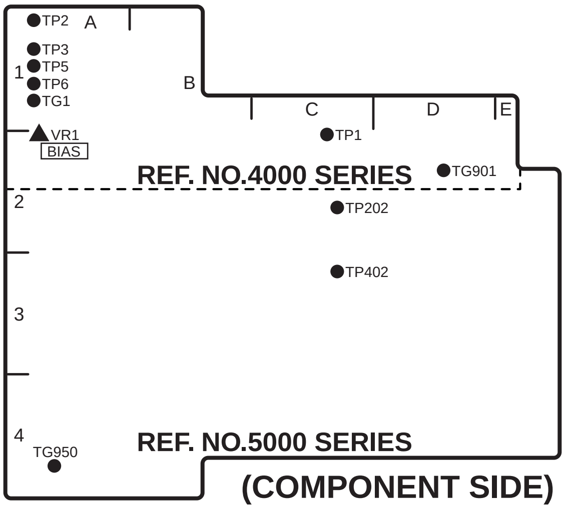

A
B
C
D
E
F
G
H
J
K
1
2
3
4
5
TP102
EQ EYE
TP101
EQ ENV
TP301
EQ0 RF
TG5101
TP702
HSW EQ0
TP701
EQ0 ATF
TP802
HSW EQ1
TP501
EQ1 RF
TP801
EQ1 ATF
TP764
TP763
TP762
TP760
TP766
TP769
TP761
TP864
TP863
TP862
TP860
TP867
TP866
TP865
TP861
TP773
TP772
TP774
TP775
TP776
TP873
TP875
TP876
TP752
TP751
TP852
TP851
TP759
TP859
TP754 TP753
TP756 TP755
TP758 TP757
TP770
TP769
TP768
TP767
TP854 TP853
TP856 TP855
TP858 TP857
TP870
TP869 TP868
REF. NO.6000 SERIES
TP301
EQ2 RF
TP702
HSW EQ2
TP701
EQ2 ATE
TG102
TP802
HSW EQ3
TP501
EQ3 RF
TP801
EQ3 ATF
TP864
TP763
TP768
TP770
TP764
TP869
TP762
TP868
TP863
TP862
TP860
TP861
TP771
TP772
TP774
TP775
TP776
TP773
TP769
TP767
TP766
TP765
TP761
TP760
TP870
TP871
TP872
TP873
TP875
TP876
TP874
TP759
TP859
TP752
TP751
TP852
TP851
TP867
TP866
TP865
TP901
TP754TP753
TP756TP755
TP758TP757
TP854 TP853
TP856 TP855
TP858 TP857
TP54
TP53
TP52
TP51
TP58
TP57
TP56
TP55
TP201
TP202
TP203
TP204
TP205
TP206
TP104
TP103
REF. NO.5000 SERIES

(COMPONENT SIDE)

RF/CUE P.C.BOARD (VEP85208A)

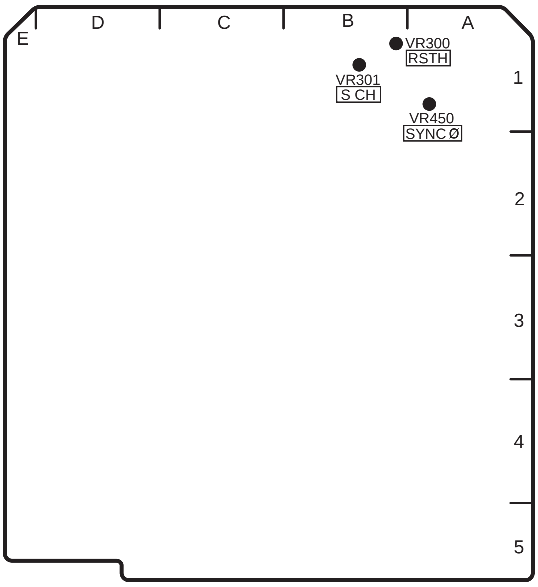

A
B
C
D
E
1
2
3
4
VR1
BIAS
REF. NO.4000 SERIES
REF. NO.5000 SERIES
TG950

(FOIL SIDE)

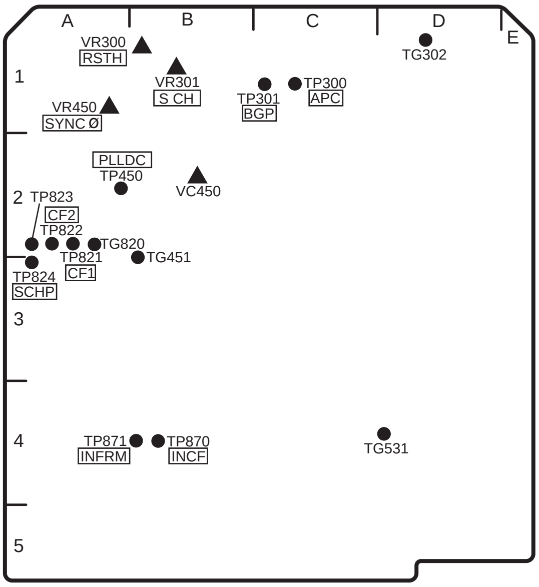

TP2
A
TP3
TP5
TP6
TG1
1
B
C
D
E
VR1
BIAS
TP1
REF. NO.4000 SERIES
TG901
2
TP202
TP402
3
4
TG950
REF. NO.5000 SERIES

(COMPONENT SIDE)

F2A:V_IN P.C.BOARD (VEP83594B:AJ-YA931G) (VEP83594A:AJ-YA932G) (OPTION)

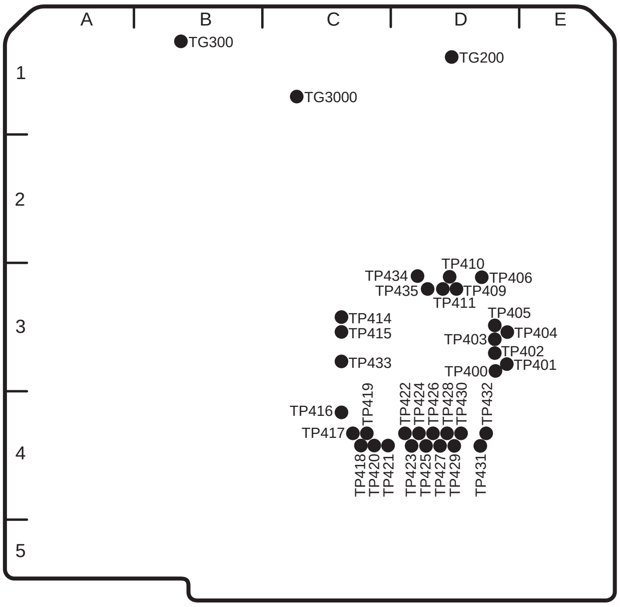

E
D
C
B
A
1
2
3
4
5
VR300
RSTH
VR301
S CH
VR450
SYNC Ø

(FOIL SIDE)


A
B
C
D
E
1
2
3
4
5
VR300
RSTH
VR301
S CH
TP301
BGP
TP300
APC
TG302
VR450
SYNC Ø
PLLDC
TP450
VC450
TP823
CF2
TP822
TG820
TP821
CF1
TG451
TP824
SCHP
TP871
INFRM
TP870
INCF
TG531

(COMPONENT SIDE)

F3B:SDTI P.C.BOARD (VEP83595A)(AJ-YAC930G:OPTION)


A
B
C
D
E
1
2
3
4
5
TG300
TG200
TG3000
TP434
TP410
TP406
TP435
TP409
TP411
TP414
TP415
TP405
TP404
TP403
TP402
TP433
TP400
TP401
TP416
TP419
TP422
TP424
TP426
TP428
TP430
TP432
TP417
TP418
TP420
TP421
TP423
TP425
TP427
TP429
TP431

(COMPONENT SIDE)

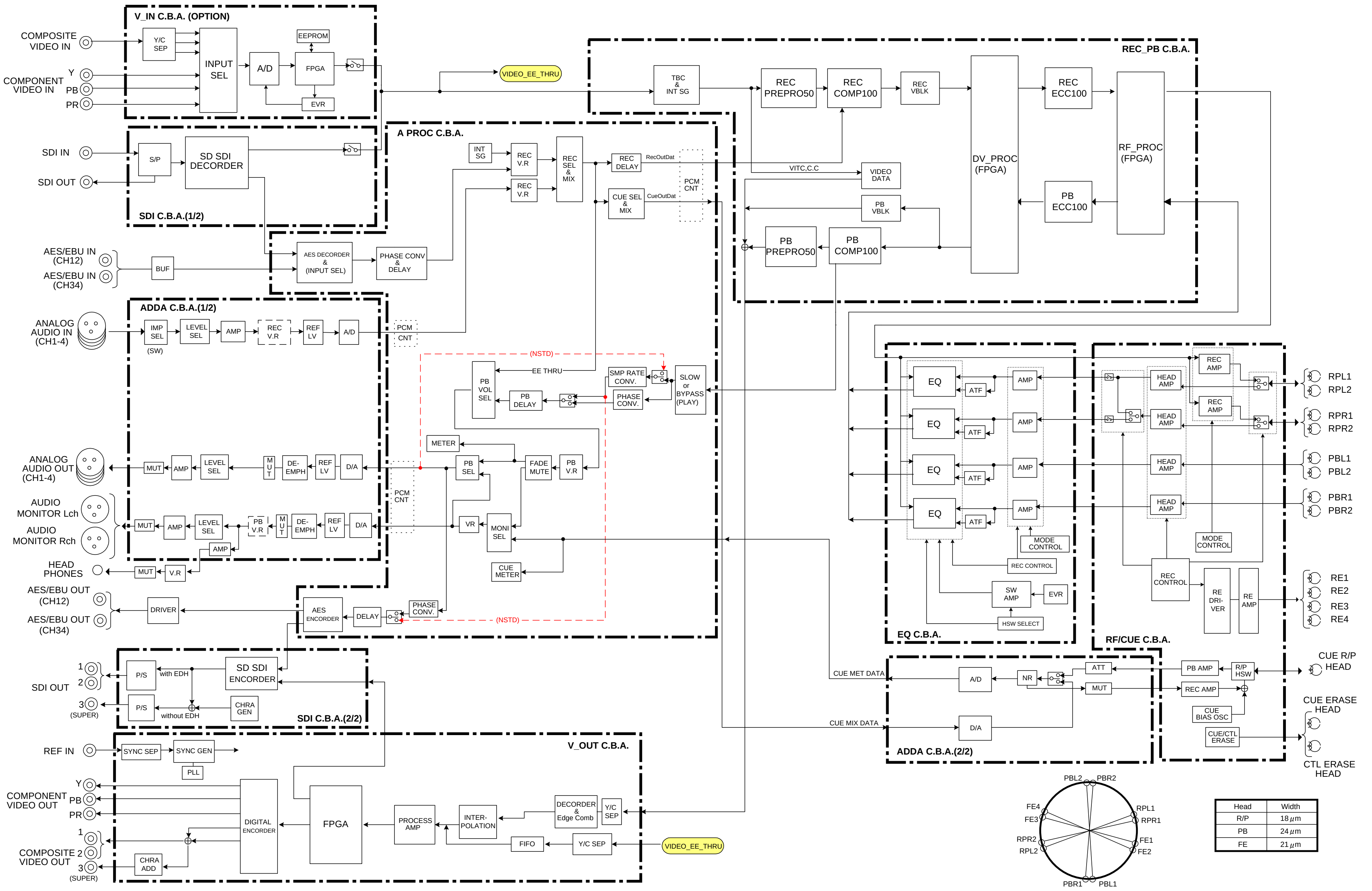
SECTION 5

BLOCK DIAGRAMS

CONTENTS

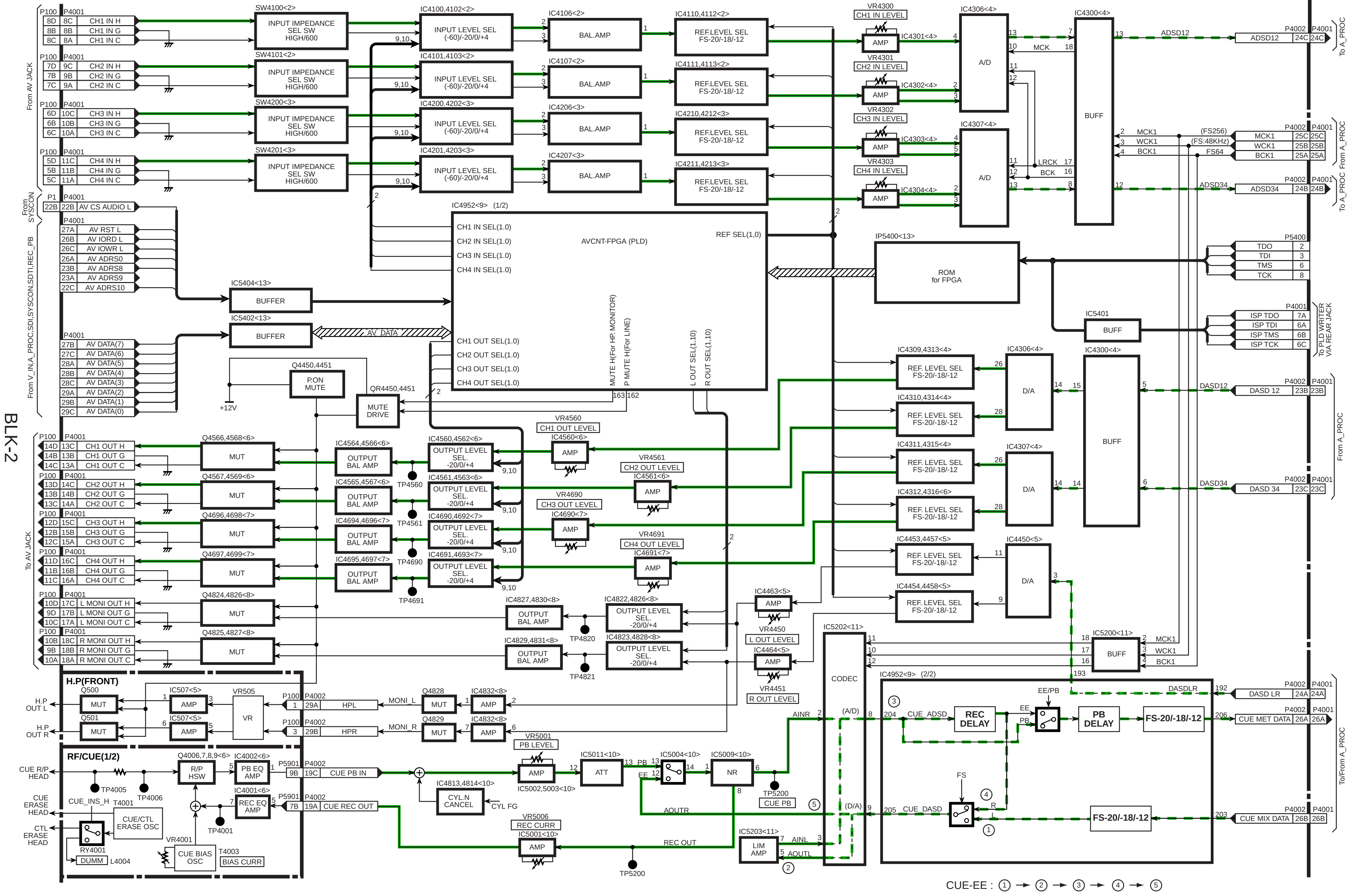
OVERALL BLOCK DIAGRAM..BLK-1
F1: AUDIO BLOCK DIAGRAM..BLK-2
F2A: V_IN BLOCK DIAGRAM (AJ-YA931G, AJ-YA932G: OPTION)..BLK-3
F2B: A PROC BLOCK DIAGRAM..BLK-4
F3A: SDI (1394) BLOCK DIAGRAM..BLK-5
F4: REC_PB BLOCK DIAGRAM..BLK-6
F5: V_OUT BLOCK DIAGRAM..BLK-7
F6: SYSCON BLOCK DIAGRAM..BLK-8
F7: SERVO BLOCK DIAGRAM..BLK-9
F8: RF/CUE, RF/EQ BLOCK DIAGRAM..BLK-10
FRONT BLOCK DIAGRAM..BLK-11
F3B: SDTI BLOCK DIAGRAM (AJ-YAC930G: OPTION)..BLK-12

OVERALL BLOCK DIAGRAM


V_IN C.B.A. (OPTION)
COMPOSITE VIDEO IN
COMPONENT VIDEO IN
Y
PB
PR
Y/C SEP
INPUT SEL
A/D
EEPROM
FPGA
EVR
VIDEO_EE_THRU
SDI IN
SDI OUT
S/P
SD SDI DECORDER
SDI C.B.A.(1/2)
A PROC C.B.A.
INT SG
REC V.R
REC V.R
REC SEL & MIX
REC DELAY
RecOutDat
CUE SEL & MIX
CueOutDat
PCM CNT
AES/EBU IN (CH12)
AES/EBU IN (CH34)
BUF
AES DECORDER & (INPUT SEL)
PHASE CONV & DELAY
ADDA C.B.A.(1/2)
ANALOG AUDIO IN (CH1-4)
IMP SEL
(SW)
LEVEL SEL
AMP
REC V.R
REF LV
A/D
PCM CNT
(NSTD)
EE THRU
PB VOL SEL
PB DELAY
SMP RATE CONV.
PHASE CONV.
SLOW or BYPASS (PLAY)
ANALOG AUDIO OUT (CH1-4)
MUT
AMP
LEVEL SEL
MUT
DE-EMPH
REF LV
D/A
PCM CNT
METER
PB SEL
FADE MUTE
PB V.R
AUDIO MONITOR Lch
AUDIO MONITOR Rch
MUT
AMP
LEVEL SEL
PB V.R
MUT
DE-EMPH
REF LV
D/A
AMP
VR
MONI SEL
CUE METER
HEAD PHONES
MUT
V.R
AES/EBU OUT (CH12)
AES/EBU OUT (CH34)
DRIVER
AES ENCORDER
DELAY
PHASE CONV.
(NSTD)
SDI OUT
1
2
3
(SUPER)
P/S
with EDH
P/S
without EDH
SD SDI ENCORDER
CHRA GEN
SDI C.B.A.(2/2)
REF IN
SYNC SEP
SYNC GEN
PLL
V_OUT C.B.A.
COMPONENT VIDEO OUT
Y
PB
PR
COMPOSITE VIDEO OUT
1
2
3
(SUPER)
CHRA ADD
DIGITAL ENCORDER
FPGA
PROCESS AMP
INTER-POLATION
DECORDER & Edge Comb
Y/C SEP
FIFO
Y/C SEP
VIDEO_EE_THRU
REC_PB C.B.A.
TBC & INT SG
REC PREPRO50
REC COMP100
REC VBLK
DV_PROC (FPGA)
REC ECC100
RF_PROC (FPGA)
VITC,C.C
VIDEO DATA
PB VBLK
PB ECC100
PB PREPRO50
PB COMP100
EQ C.B.A.
EQ
EQ
EQ
EQ
ATF
ATF
ATF
ATF
AMP
AMP
AMP
AMP
MODE CONTROL
REC CONTROL
SW AMP
EVR
HSW SELECT
RF/CUE C.B.A.
HEAD AMP
HEAD AMP
HEAD AMP
HEAD AMP
REC AMP
REC AMP
MODE CONTROL
REC CONTROL
RE DRI-VER
RE AMP
RPL1
RPL2
RPR1
RPR2
PBL1
PBL2
PBR1
PBR2
RE1
RE2
RE3
RE4
CUE R/P HEAD
CUE MET DATA
A/D
NR
ATT
MUT
PB AMP
R/P HSW
REC AMP
CUE BIAS OSC
CUE/CTL ERASE
CUE ERASE HEAD
CTL ERASE HEAD
CUE MIX DATA
D/A
ADDA C.B.A.(2/2)
PBL2
PBR2
FE4
FE3
RPL1
RPR1
RPR2
RPL2
FE1
FE2
PBR1
PBL1

Head	Width
R/P	18 μm
PB	24 μm
FE	21 μm

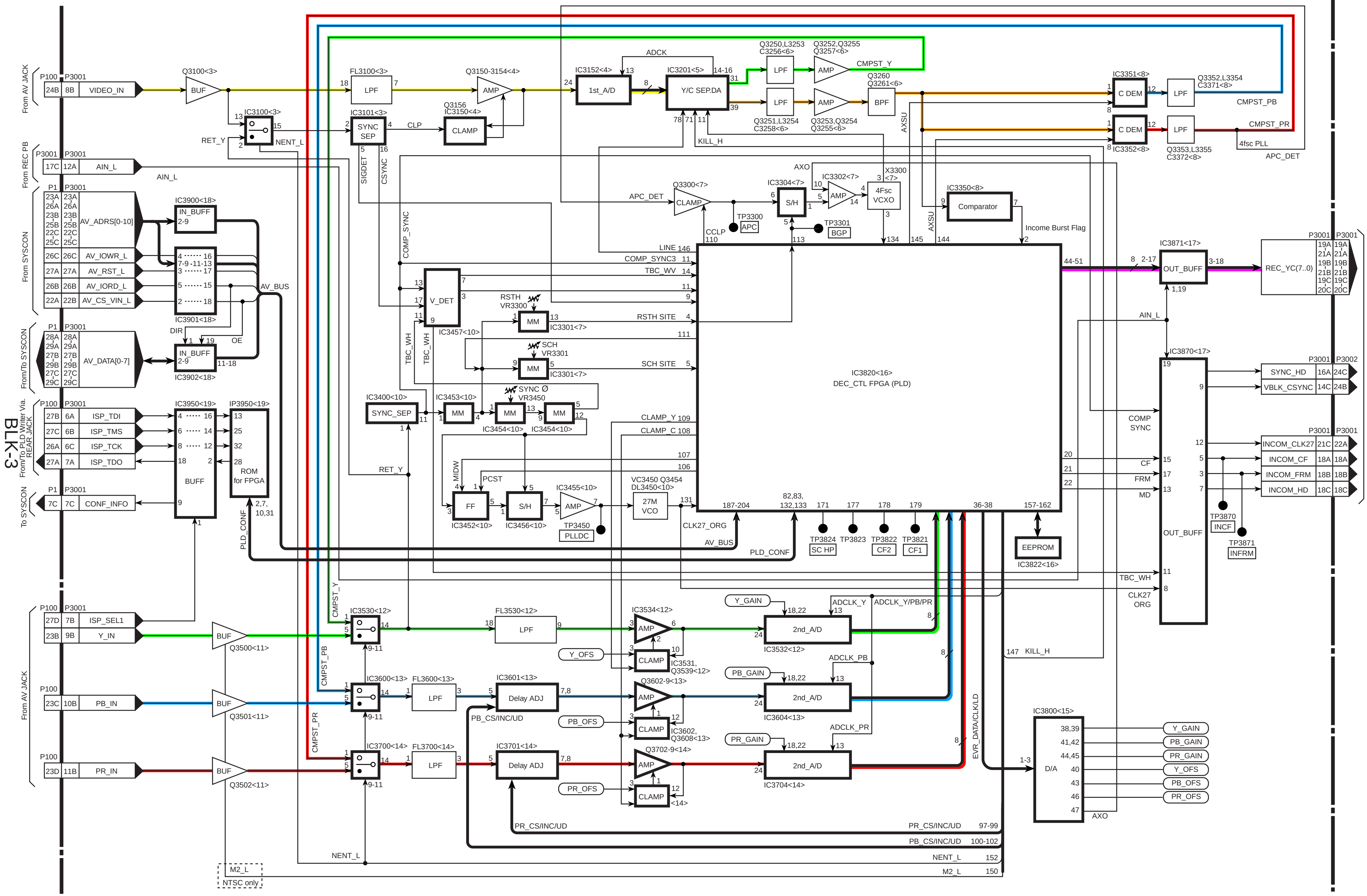
F1: AUDIO BLOCK DIAGRAM



From AV JACK
P100 P4001
8D 8C CH1 IN H
8B 8B CH1 IN G
8C 8A CH1 IN C
7D 9C CH2 IN H
7B 9B CH2 IN G
7C 9A CH2 IN C
6D 10C CH3 IN H
6B 10B CH3 IN G
6C 10A CH3 IN C
5D 11C CH4 IN H
5B 11B CH4 IN G
5C 11A CH4 IN C
SW4100<2>
SW4101<2>
SW4200<3>
SW4201<3>
INPUT IMPEDANCE SEL SW HIGH/600
IC4100,4102<2>
IC4101,4103<2>
IC4200,4202<3>
IC4201,4203<3>
INPUT LEVEL SEL (-60)/-20/0/+4
IC4106<2>
IC4107<2>
IC4206<3>
IC4207<3>
BAL.AMP
IC4110,4112<2>
IC4111,4113<2>
IC4210,4212<3>
IC4211,4213<3>
REF.LEVEL SEL FS-20/-18/-12
VR4300 CH1 IN LEVEL
VR4301 CH2 IN LEVEL
VR4302 CH3 IN LEVEL
VR4303 CH4 IN LEVEL
AMP
IC4301<4>
IC4302<4>
IC4303<4>
IC4304<4>
IC4306<4>
IC4307<4>
A/D
MCK
LRCK
BCK
IC4300<4>
BUFF
ADSD12
ADSD34
P4002 P4001
ADSD12 24C 24C
To A_PROC
MCK1 WCK1 BCK1
(FS256)
(FS:48KHz)
FS64
MCK1 25C 25C
WCK1 25B 25B
BCK1 25A 25A
From A_PROC
ADSD34 24B 24B
To A_PROC
From SYSCON
P1 P4001
22B 22B AV CS AUDIO L
27A AV RST L
27B AV IORD L
26C AV IOWR L
26A AV ADRS0
23B AV ADRS8
23A AV ADRS9
22C AV ADRS10
From V_IN,A_PROC,SDI,SYSCON,SDTI,REC_PB
IC5404<13>
BUFFER
IC5402<13>
BUFFER
AV DATA
27B AV DATA(7)
27C AV DATA(6)
28A AV DATA(5)
28B AV DATA(4)
28C AV DATA(3)
29A AV DATA(2)
29B AV DATA(1)
29C AV DATA(0)
IC4952<9> (1/2)
AVCNT-FPGA (PLD)
CH1 IN SEL(1,0)
CH2 IN SEL(1,0)
CH3 IN SEL(1,0)
CH4 IN SEL(1,0)
REF SEL(1,0)
CH1 OUT SEL(1,0)
CH2 OUT SEL(1,0)
CH3 OUT SEL(1,0)
CH4 OUT SEL(1,0)
MUTE H(For HP, MONITOR)
P MUTE H(For LINE)
L OUT SEL(1,10)
R OUT SEL(1,10)
163 162
IP5400<13>
ROM for FPGA
P5400
TDO 2
TDI 3
TMS 6
TCK 8
IC5401
BUFF
P4001
ISP TDO 7A
ISP TDI 6A
ISP TMS 6B
ISP TCK 6C
To PLD WRITER VIA REAR JACK
Q4450,4451
P.ON MUTE
QR4450,4451
MUTE DRIVE
+12V
IC4309,4313<4>
IC4310,4314<4>
IC4311,4315<4>
IC4312,4316<4>
IC4453,4457<5>
IC4454,4458<5>
REF. LEVEL SEL FS-20/-18/-12
IC4306<4>
IC4307<4>
IC4450<5>
D/A
IC4300<4>
BUFF
DASD12
DASD34
DASD 12 23B 23B
DASD 34 23C 23C
From A_PROC
To AV JACK
P100 P4001
14D 13C CH1 OUT H
14B 13B CH1 OUT G
14C 13A CH1 OUT C
13D 14C CH2 OUT H
13B 14B CH2 OUT G
13C 14A CH2 OUT C
12D 15C CH3 OUT H
12B 15B CH3 OUT G
12C 15A CH3 OUT C
11D 16C CH4 OUT H
11B 16B CH4 OUT G
11C 16A CH4 OUT C
10D 17C L MONI OUT H
9D 17B L MONI OUT G
10C 17A L MONI OUT C
10B 18C R MONI OUT H
9B 18B R MONI OUT G
10A 18A R MONI OUT C
Q4566,4568<6>
Q4567,4569<6>
Q4696,4698<7>
Q4697,4699<7>
Q4824,4826<8>
Q4825,4827<8>
MUT
IC4564,4566<6>
IC4565,4567<6>
IC4694,4696<7>
IC4695,4697<7>
OUTPUT BAL AMP
TP4560
TP4561
TP4690
TP4691
IC4560,4562<6>
IC4561,4563<6>
IC4690,4692<7>
IC4691,4693<7>
OUTPUT LEVEL SEL. -20/0/+4
VR4560 CH1 OUT LEVEL
IC4560<6>
VR4561 CH2 OUT LEVEL
IC4561<6>
VR4690 CH3 OUT LEVEL
IC4690<7>
VR4691 CH4 OUT LEVEL
IC4691<7>
IC4827,4830<8>
IC4829,4831<8>
OUTPUT BAL AMP
TP4820
TP4821
IC4822,4826<8>
IC4823,4828<8>
OUTPUT LEVEL SEL. -20/0/+4
IC4463<5>
VR4450 L OUT LEVEL
IC4464<5>
VR4451 R OUT LEVEL
IC5202<11>
CODEC
(A/D)
(D/A)
IC5200<11>
BUFF
MCK1 WCK1 BCK1
IC4952<9> (2/2)
EE/PB
EE PB
REC DELAY
PB DELAY
FS-20/-18/-12
CUE_ADSD
CUE_DASD
FS
R L
DASDLR
P4002 P4001
DASD LR 24A 24A
CUE MET DATA 26A 26A
CUE MIX DATA 26B 26B
To/From A_PROC
H.P(FRONT)
Q500
Q501
IC507<5>
VR505
VR
H.P OUT L
H.P OUT R
P100 P4002
1 29A HPL
3 29B HPR
MONI_L
MONI_R
Q4828
Q4829
IC4832<8>
RF/CUE(1/2)
CUE R/P HEAD
TP4005
TP4006
Q4006,7,8,9<6>
R/P HSW
IC4002<6>
PB EQ AMP
P5901 P4002
9B 19C CUE PB IN
CUE ERASE HEAD
CUE_INS_H
T4001
CUE/CTL ERASE OSC
CTL ERASE HEAD
RY4001
DUMM
L4004
VR4001
CUE BIAS OSC
T4003
BIAS CURR
IC4001<6>
REC EQ AMP
TP4001
7B 19A CUE REC OUT
IC4813,4814<10>
CYL.N CANCEL
CYL FG
VR5001 PB LEVEL
IC5002,5003<10>
IC5011<10>
ATT
IC5004<10>
IC5009<10>
NR
TP5200
CUE PB
AINR
AOUTR
VR5006 REC CURR
IC5001<10>
REC CURR
REC OUT
TP5200
IC5203<11>
LIM AMP
AINL
AOUTL
CUE-EE : ① → ② → ③ → ④ → ⑤

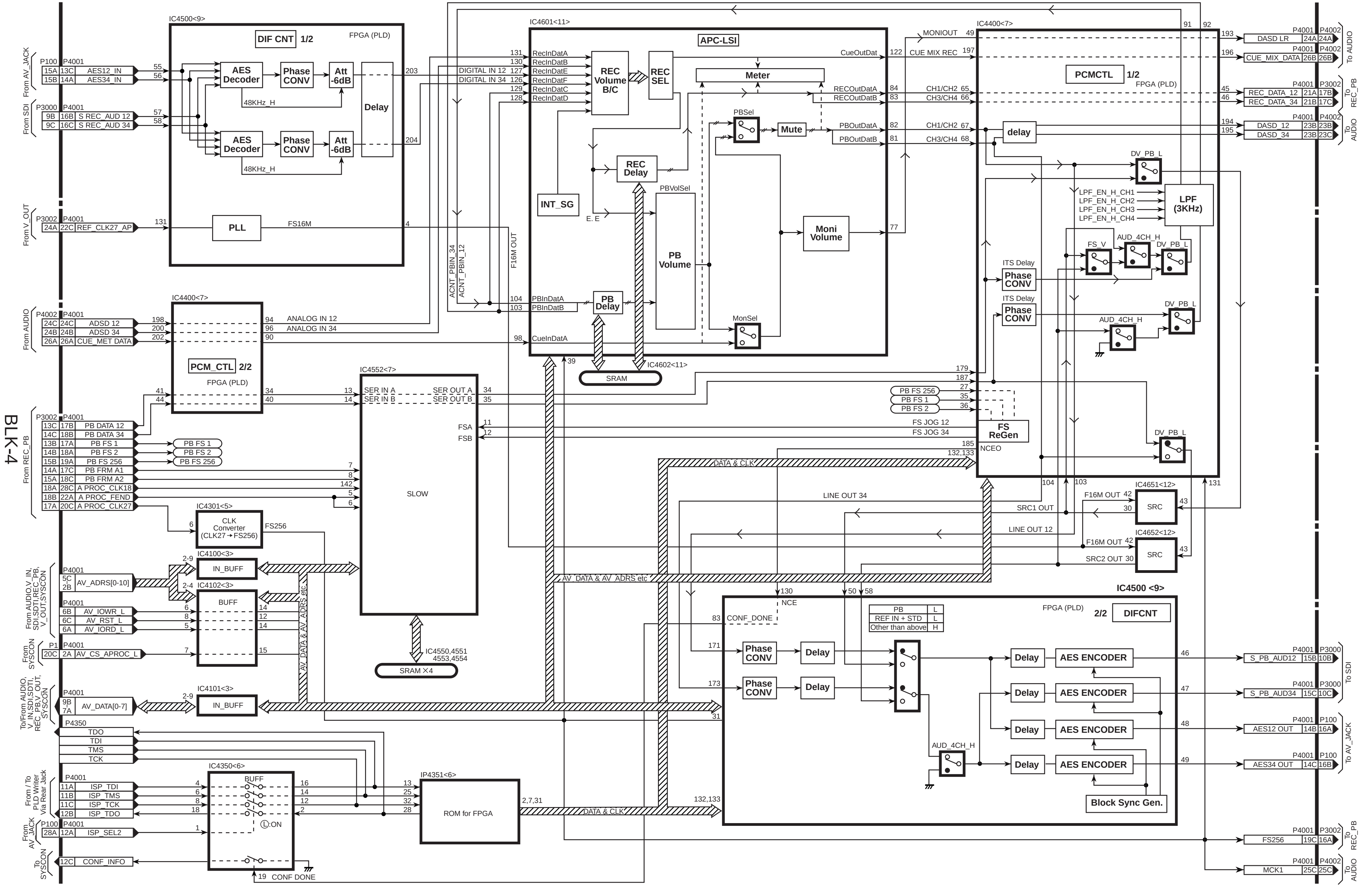
BLK-2

F2A: V_IN BLOCK DIAGRAM (AJ-YA931G, AJ-YA932G: OPTION)

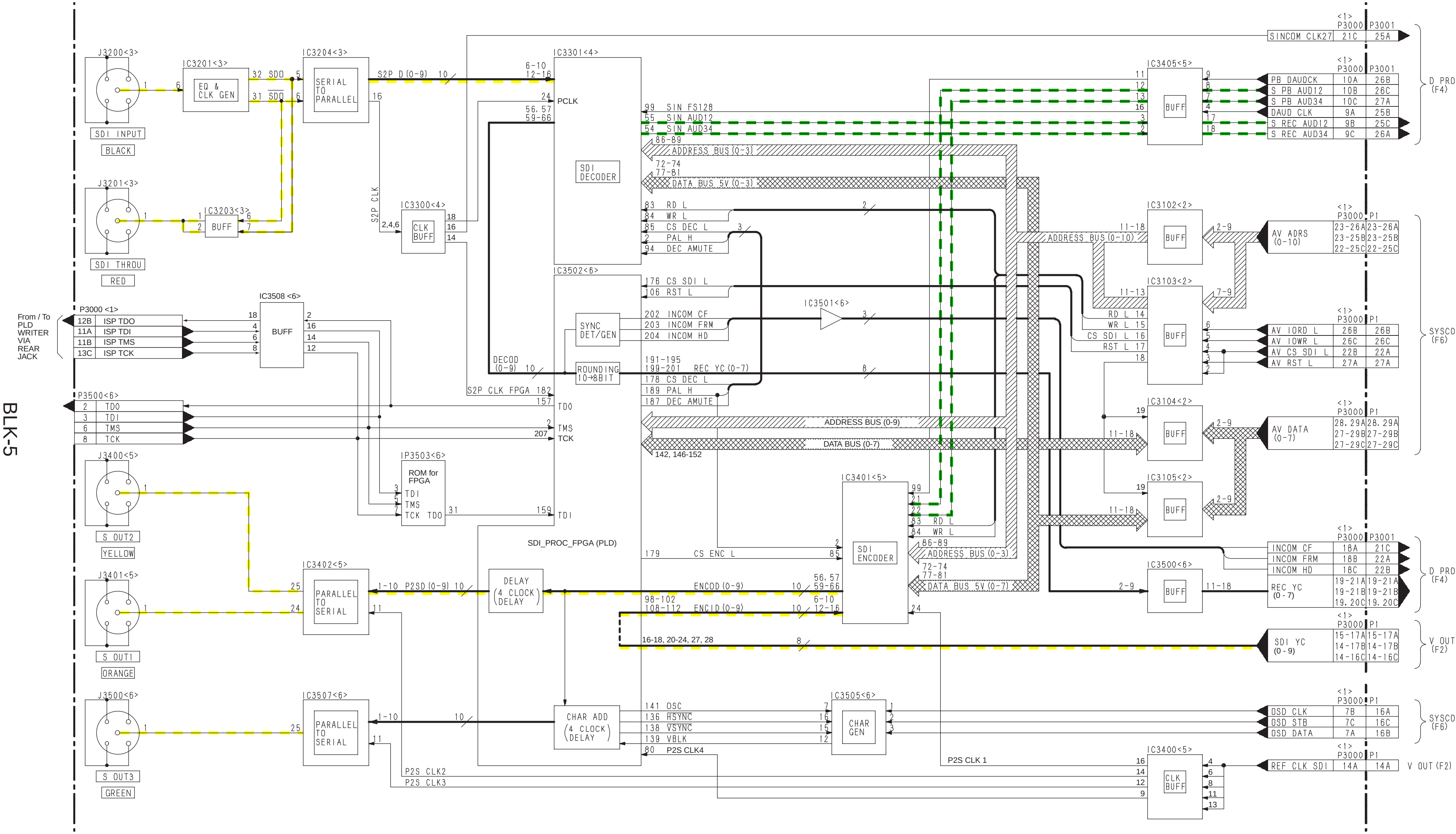

BLK-3
From AV JACK
P100 P3001
24B 8B VIDEO_IN
From REC PB
P3001 P3001
17C 12A AIN_L
AIN_L
From SYSCON
P1 P3001
23A 26A 23B 25B 22C 25C
AV_ADRS[0-10]
26C AV_IOWR_L
27A AV_RST_L
26B AV_IORD_L
22A 22B AV_CS_VIN_L
From/To SYSCON
28A 29A 27B 29B 27C 29C
AV_DATA[0-7]
From/To PLD Writer Via. REAR JACK
27B 6A ISP_TDI
27C 6B ISP_TMS
26A 6C ISP_TCK
27A 7A ISP_TDO
To SYSCON
7C 7C CONF_INFO
From AV JACK
27D 7B ISP_SEL1
23B 9B Y_IN
23C 10B PB_IN
23D 11B PR_IN
Q3100<3> BUF
IC3100<3>
RET_Y
NENT_L
IC3900<18> IN_BUFF
IC3901<18>
DIR OE
IC3902<18> IN_BUFF
AV_BUS
IC3950<19> BUFF
IP3950<19> ROM for FPGA
PLD_CONF
FL3100<3> LPF
IC3101<3> SYNC SEP
SIGDET CSYNC
CLP
Q3156 IC3150<4> CLAMP
Q3150-3154<4> AMP
IC3152<4> 1st_A/D
ADCK
IC3201<5> Y/C SEP.DA
Q3250,L3253 C3256<6> LPF
Q3252,Q3255 Q3257<6> AMP
CMPST_Y
Q3251,L3254 C3258<6> LPF
Q3253,Q3254 Q3255<6> AMP
Q3260 Q3261<6> BPF
KILL_H
AXSU
IC3351<8> C DEM
IC3352<8> C DEM
LPF
Q3352,L3354 C3371<8>
Q3353,L3355 C3372<8>
CMPST_PB
CMPST_PR
4fsc PLL
APC_DET
AXO
Q3300<7> CLAMP
IC3304<7> S/H
IC3302<7> AMP
X3300 <7> 4Fsc VCXO
TP3300 APC
TP3301 BGP
CCLP
IC3350<8> Comparator
Income Burst Flag
COMP_SYNC
V_DET
IC3457<10>
TBC_WH
LINE
COMP_SYNC3
TBC_WV
RSTH VR3300
MM
IC3301<7>
RSTH SITE
SCH VR3301
SCH SITE
IC3400<10> SYNC_SEP
IC3453<10> MM
SYNC Ø VR3450
IC3454<10>
CLAMP_Y
CLAMP_C
MIDW
PCST
FF
IC3452<10>
S/H
IC3456<10>
IC3455<10> AMP
TP3450 PLLDC
VC3450 Q3454 DL3450<10> 27M VCO
CLK27_ORG
IC3820<16> DEC_CTL FPGA (PLD)
TP3824 SC HP
TP3823
TP3822 CF2
TP3821 CF1
EEPROM IC3822<16>
IC3871<17> OUT_BUFF
P3001 P3001
REC_YC(7..0)
19A 21A 19B 21B 19C 20C
To REC_PB
IC3870<17> OUT_BUFF
AIN_L
COMP SYNC
P3001 P3002
SYNC_HD 16A 24C
VBLK_CSYNC 14C 24B
CF FRM MD
INCOM_CLK27 21C 22A
INCOM_CF 18A 18A
INCOM_FRM 18B 18B
INCOM_HD 18C 18C
TP3870 INCF
TP3871 INFRM
TBC_WH
CLK27 ORG
Q3500<11> BUF
Q3501<11> BUF
Q3502<11> BUF
CMPST_Y CMPST_PB CMPST_PR
IC3530<12>
FL3530<12> LPF
IC3534<12> AMP
IC3531, Q3539<12> CLAMP
Y_GAIN Y_OFS
ADCLK_Y ADCLK_Y/PB/PR
IC3532<12> 2nd_A/D
IC3600<13>
FL3600<13> LPF
IC3601<13> Delay ADJ
PB_CS/INC/UD
Q3602-9<13> AMP
IC3602, Q3608<13> CLAMP
PB_GAIN PB_OFS
ADCLK_PB
IC3604<13> 2nd_A/D
IC3700<14>
FL3700<14> LPF
IC3701<14> Delay ADJ
Q3702-9<14> AMP
CLAMP <14>
PR_GAIN PR_OFS
ADCLK_PR
IC3704<14> 2nd_A/D
PR_CS/INC/UD
EVR_DATA/CLK/LD
KILL_H
IC3800<15> D/A
Y_GAIN PB_GAIN PR_GAIN Y_OFS PB_OFS PR_OFS
AXO
PR_CS/INC/UD 97-99
PB_CS/INC/UD 100-102
NENT_L 152
M2_L 150
M2_L NTSC only

F2B: A PROC BLOCK DIAGRAM

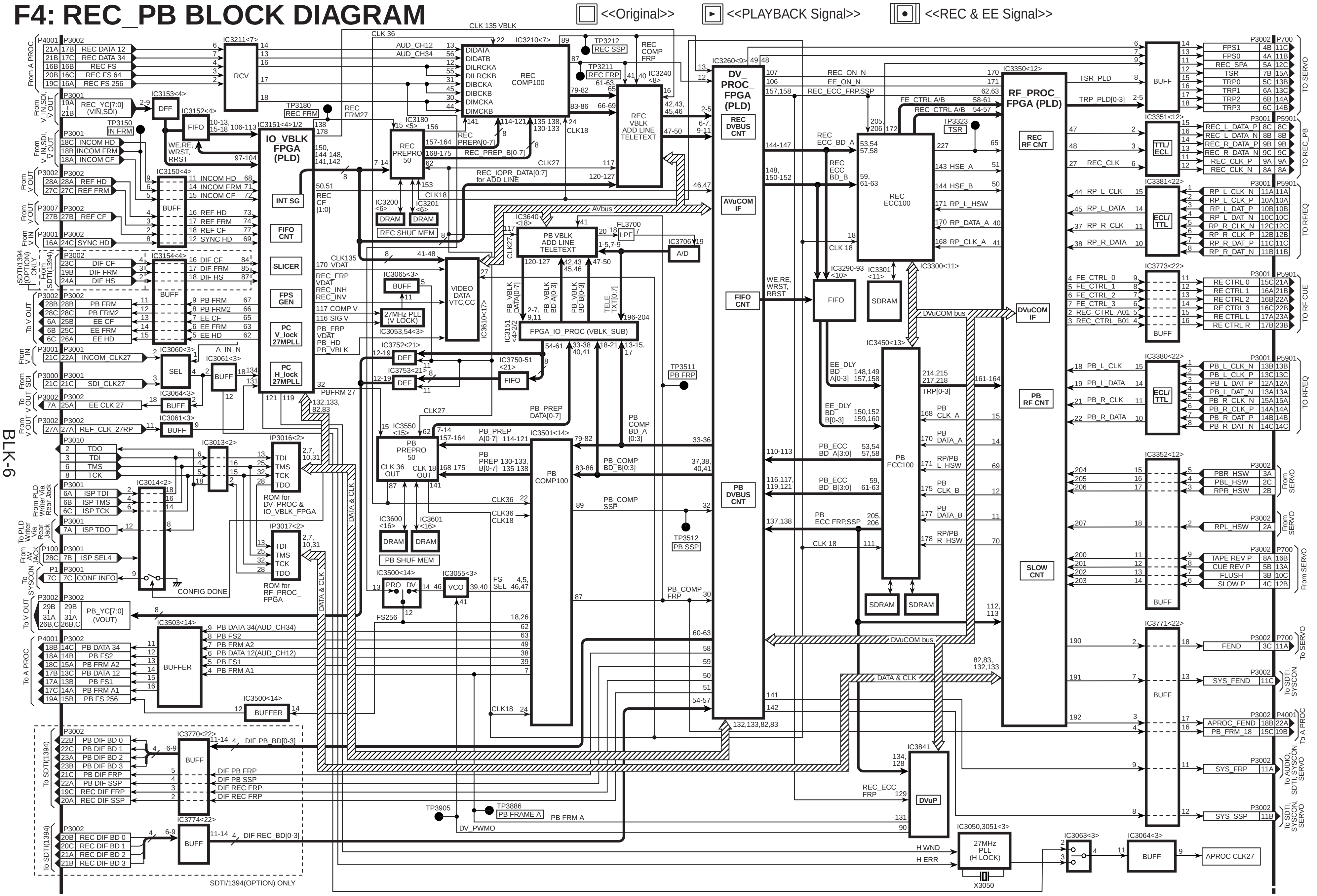
<<Original>> <<PLAYBACK Signal>> <<REC & EE Signal>>


BLK-4
IC4500<9>
DIF CNT 1/2
FPGA (PLD)
AES Decoder
Phase CONV
Att -6dB
Delay
48KHz_H
PLL
FS16M
From AV_JACK
P100 P4001
15A 13C AES12_IN
15B 14A AES34_IN
From SDI
P3000 P4001
9B 16B S REC_AUD 12
9C 16C S REC_AUD 34
From V_OUT
P3002 P4001
24A 22C REF_CLK27_AP
IC4601<11>
APC-LSI
RecInDataA
RecInDatB
RecInDatE
RecInDatF
RecInDatC
RecInDatD
DIGITAL IN 12
DIGITAL IN 34
REC Volume B/C
REC SEL
Meter
CueOutDat
RECOutDataA
RECOutDatB
PBSel
Mute
PBOutDatA
PBOutDatB
REC Delay
INT_SG
E. E
PBVolSel
PB Volume
Moni Volume
PBInDatA
PBInDatB
PB Delay
MonSel
CueInDatA
SRAM
IC4602<11>
ACNT_PBIN_34
ACNT_PBIN_12
F16M OUT
IC4400<7>
PCMCTL 1/2
FPGA (PLD)
MONIOUT
CUE MIX REC
CH1/CH2
CH3/CH4
delay
DV_PB_L
LPF_EN_H_CH1
LPF_EN_H_CH2
LPF_EN_H_CH3
LPF_EN_H_CH4
LPF (3KHz)
AUD_4CH_H
FS_V
ITS Delay
Phase CONV
FS ReGen
NCEO
PB FS 256
PB FS 1
PB FS 2
FS JOG 12
FS JOG 34
To AUDIO
P4001 P4002
DASD LR 24A 24A
CUE_MIX_DATA 26B 26B
To REC_PB
P4001 P3002
REC_DATA_12 21A 17B
REC_DATA_34 21B 17C
DASD_12 23B 23B
DASD_34 23C 23C
IC4400<7>
PCM_CTL 2/2
FPGA (PLD)
ANALOG IN 12
ANALOG IN 34
From AUDIO
P4002 P4001
24C 24C ADSD 12
24B 24B ADSD 34
26A 26A CUE_MET DATA
IC4552<7>
SER IN A
SER IN B
SER OUT A
SER OUT B
FSA
FSB
SLOW
From REC_PB
P3002 P4001
13C 17B PB DATA 12
14C 18B PB DATA 34
13B 17A PB FS 1
14B 18A PB FS 2
15B 19A PB FS 256
14A 17C PB FRM A1
15A 18C PB FRM A2
18A 28C A PROC_CLK18
18B 22A A PROC_FEND
17A 20C A PROC_CLK27
IC4301<5>
CLK Converter (CLK27→FS256)
FS256
DATA & CLK
IC4651<12>
IC4652<12>
SRC
F16M OUT
SRC1 OUT
SRC2 OUT
LINE OUT 34
LINE OUT 12
IC4100<3>
IN_BUFF
IC4102<3>
BUFF
IC4101<3>
IC4550,4551 4553,4554
SRAM ×4
AV_DATA & AV_ADRS etc
From AUDIO,V_IN, SDI,SDTI,REC_PB, V_OUT,SYSCON
P4001
5C 2B AV_ADRS[0-10]
6B AV_IOWR_L
6C AV_RST_L
6A AV_IORD_L
From SYSCON
P1 P4001
20C 2A AV_CS_APROC_L
To/From AUDIO, V_IN,SDI,SDTI, REC_PB,V_OUT, SYSCON
9B 7A AV_DATA[0-7]
P4350
TDO
TDI
TMS
TCK
From / To PLD Writer Via Rear Jack
11A ISP_TDI
11B ISP_TMS
11C ISP_TCK
12B ISP_TDO
From AV_JACK
P100 P4001
28A 12A ISP_SEL2
To SYSCON
12C CONF_INFO
IC4350<6>
BUFF
L:ON
CONF DONE
IP4351<6>
ROM for FPGA
IC4500 <9>
FPGA (PLD)
2/2 DIFCNT
NCE
CONF_DONE
PB L
REF IN + STD L
Other than above H
Phase CONV
Delay
AES ENCODER
Block Sync Gen.
To SDI
P4001 P3000
S_PB_AUD12 15B 10B
S_PB_AUD34 15C 10C
To AV_JACK
P4001 P100
AES12 OUT 14B 16A
AES34 OUT 14C 16B
To REC_PB
P4001 P3002
FS256 19C 16A
To AUDIO
P4001 P4002
MCK1 25C 25C

F3A: SDI BLOCK DIAGRAM

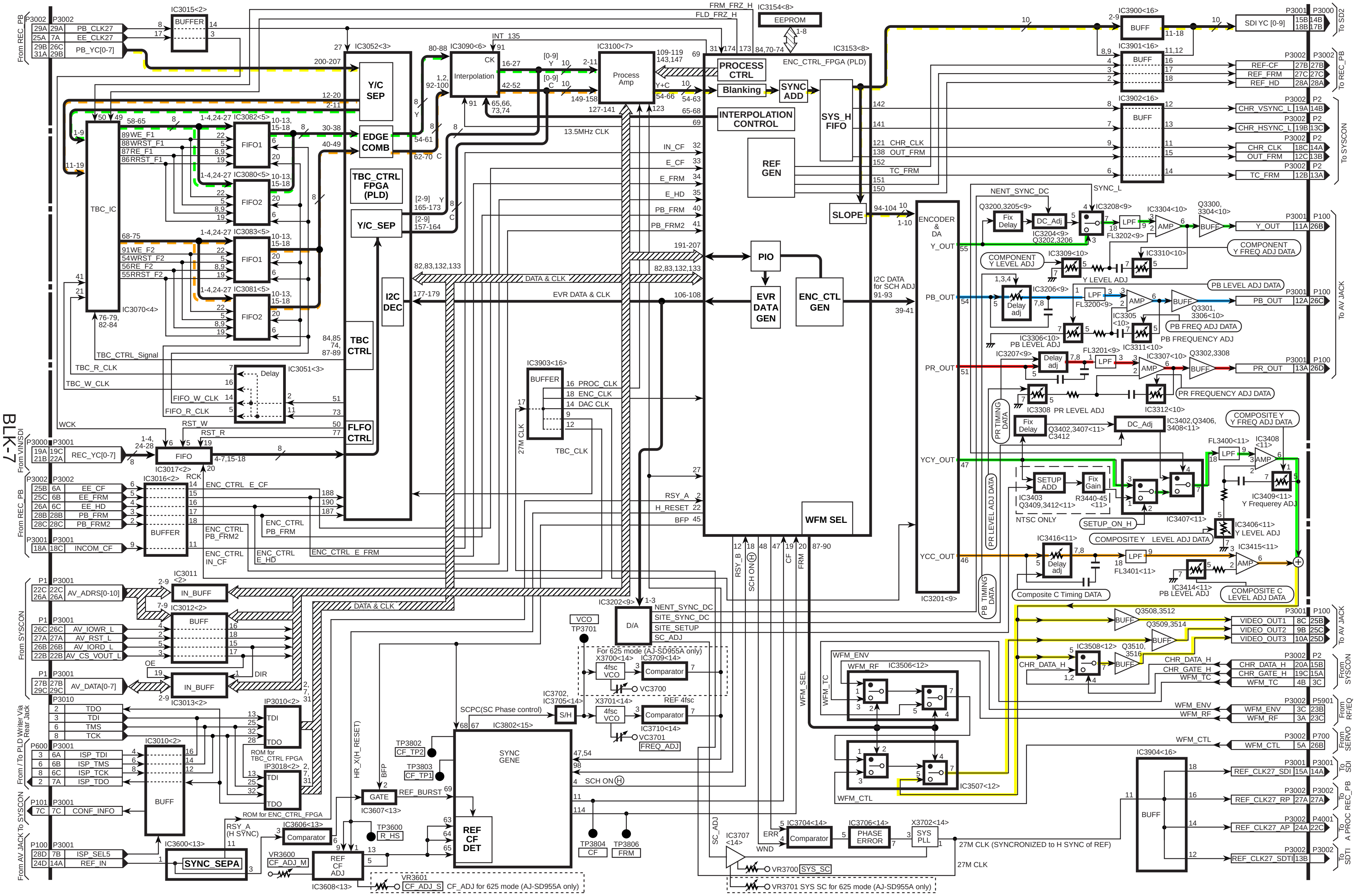

J3200<3>
SDI INPUT
BLACK
J3201<3>
SDI THROU
RED
IC3201<3>
EQ & CLK GEN
32 SDO
31 SDO
IC3203<3>
BUFF
IC3204<3>
SERIAL TO PARALLEL
S2P D (0-9) 10
S2P CLK
IC3300<4>
CLK BUFF
2,4,6
18
16
14
IC3301<4>
SDI DECODER
6-10
12-16
24 PCLK
56, 57
59-66
99 SIN FS128
55 SIN AUD12
54 SIN AUD34
86-89 ADDRESS BUS (0-3)
72-74
77-81 DATA BUS 5V (0-3)
83 RD L
84 WR L
85 CS DEC L
2 PAL H
94 DEC AMUTE
IC3502<6>
176 CS SDI L
106 RST L
SYNC DET/GEN
202 INCOM CF
203 INCOM FRM
204 INCOM HD
DECOD (0-9) 10
ROUNDING 10→8BIT
191-195
199-201 REC YC (0-7)
178 CS DEC L
189 PAL H
187 DEC AMUTE
S2P CLK FPGA 182
157 TDO
207 TMS
TCK
ADDRESS BUS (0-9)
DATA BUS (0-7)
142, 146-152
IC3501<6>
From / To PLD WRITER VIA REAR JACK
P3000 <1>
12B ISP TDO
11A ISP TDI
11B ISP TMS
13C ISP TCK
IC3508 <6>
BUFF
P3500<6>
2 TDO
3 TDI
6 TMS
8 TCK
IP3503<6>
ROM for FPGA
TDI
TMS
TCK TDO
31
159 TDI
SDI_PROC_FPGA (PLD)
J3400<5>
S OUT2
YELLOW
J3401<5>
S OUT1
ORANGE
J3500<6>
S OUT3
GREEN
IC3402<5>
PARALLEL TO SERIAL
1-10 P2SD (0-9) 10
DELAY (4 CLOCK) DELAY
179 CS ENC L
ENCOD (0-9) 10
98-102
108-112 ENCID (0-9) 10
16-18, 20-24, 27, 28
IC3401<5>
SDI ENCODER
56, 57
59-66
6-10
12-16
83 RD L
84 WR L
86-89 ADDRESS BUS (0-3)
72-74
77-81 DATA BUS 5V (0-7)
IC3507<6>
PARALLEL TO SERIAL
CHAR ADD (4 CLOCK) DELAY
141 OSC
136 HSYNC
138 VSYNC
139 VBLK
80 P2S CLK4
IC3505<6>
CHAR GEN
P2S CLK2
P2S CLK3
P2S CLK 1
IC3400<5>
CLK BUFF
IC3405<5>
BUFF
IC3102<2>
BUFF
ADDRESS BUS (0-10)
11-18
2-9
IC3103<2>
BUFF
11-13
7-9
RD L 14
WR L 15
CS SDI L 16
RST L 17
18
IC3104<2>
BUFF
11-18
IC3105<2>
BUFF
IC3500<6>
BUFF
11-18
<1> P3000 P3001
SINCOM CLK27 21C 25A
PB DAUDCK 10A 26B
S PB AUD12 10B 26C
S PB AUD34 10C 27A
DAUD CLK 9A 25B
S REC AUD12 9B 25C
S REC AUD34 9C 26A
D PROC (F4)
<1> P3000 P1
AV ADRS (0-10)
23-26A 23-26A
23-25B 23-25B
22-25C 22-25C
AV IORD L 26B 26B
AV IOWR L 26C 26C
AV CS SDI L 22B 22A
AV RST L 27A 27A
SYSCON (F6)
AV DATA (0-7)
28, 29A 28, 29A
27-29B 27-29B
27-29C 27-29C
<1> P3000 P3001
INCOM CF 18A 21C
INCOM FRM 18B 22A
INCOM HD 18C 22B
REC YC (0-7)
19-21A 19-21A
19-21B 19-21B
19, 20C 19, 20C
D PROC (F4)
<1> P3000 P1
SDI YC (0-9)
15-17A 15-17A
14-17B 14-17B
14-16C 14-16C
V OUT (F2)
<1> P3000 P1
OSD CLK 7B 16A
OSD STB 7C 16C
OSD DATA 7A 16B
SYSCON (F6)
<1> P3000 P1
REF CLK SDI 14A 14A
V OUT (F2)

F4: REC_PB BLOCK DIAGRAM



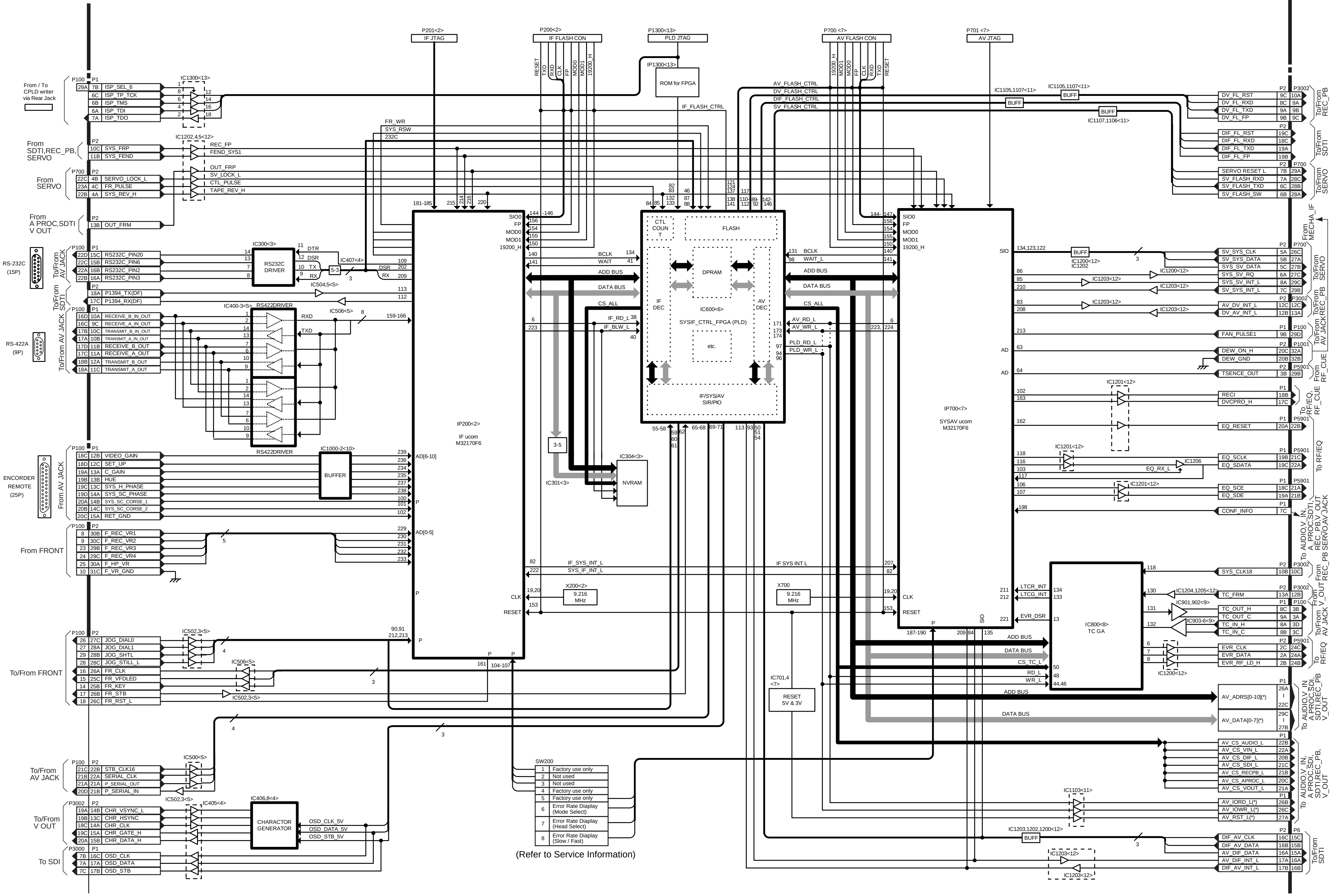
<<Original>>
<<PLAYBACK Signal>>
<<REC & EE Signal>>
CLK 135 VBLK
CLK 36
IC3211<7>
RCV
IC3210<7>
REC COMP100
DIDATA
DIDATB
DILRCKA
DILRCKB
DIBCKA
DIBCKB
DIMCKA
DIMCKB
AUD_CH12
AUD_CH34
TP3212
REC SSP
TP3211
REC FRP
REC COMP FRP
IC3240<8>
REC VBLK ADD LINE TELETEXT
IC3260<9>
DV_PROC_FPGA (PLD)
REC DVBUS CNT
AVuCOM IF
FIFO CNT
PB DVBUS CNT
IC3350<12>
RF_PROC_FPGA (PLD)
REC RF CNT
DVuCOM IF
PB RF CNT
SLOW CNT
BUFF
TSR_PLD
TRP_PLD[0-3]
IC3351<12>
TTL/ECL
IC3381<22>
ECL/TTL
IC3773<22>
IC3380<22>
IC3352<12>
IC3771<22>
From A PROC
REC DATA 12
REC DATA 34
REC FS
REC FS 64
REC FS 256
From V_IN,SDI, V_OUT
REC_YC[7:0] (VIN,SDI)
IC3153<4>
DFF
IC3152<4>
FIFO
TP3180
REC FRM
REC FRM27
TP3150
IN FRM
INCOM HD
INCOM FRM
INCOM CF
WE,RE, WRST, RRST
IC3151<4>1/2
IO_VBLK FPGA (PLD)
INT SG
FIFO CNT
SLICER
FPS GEN
PC V_lock 27MPLL
PC H_lock 27MPLL
IC3150<4>
BUFF
REF HD
REF FRM
REF CF
SYNC HD
From V OUT
From V IN
IC3154<4>
SDTI(1394) (OPTION) ONLY
From SDTI(1394)
DIF CF
DIF FRM
DIF HS
To V OUT
PB FRM
PB FRM2
EE CF
EE FRM
EE HD
IC3180<5>
REC PREPRO 50
REC PREPA[0-7]
REC_PREP_B[0-7]
REC_IOPR_DATA[0-7] for ADD LINE
CLK27
CLK18
IC3200<6>
IC3201<6>
DRAM
REC SHUF MEM
AVbus
IC3640<18>
PB VBLK ADD LINE TELETEXT
FL3700
LPF
IC3706
A/D
IC3610<17>
VIDEO DATA VTC,CC
IC3065<3>
BUFF
27MHz PLL (V LOCK)
IC3053,54<3>
PB VBLK DATA[0-7]
PB VBLK BD A[0-3]
PB VBLK BD B[0-3]
TELE TXT[0-7]
IC3151<4>2/2
FPGA_IO_PROC (VBLK_SUB)
IC3752<21>
DEF
IC3753<21>
IC3750-51<21>
FIFO
TP3511
PB FRP
TP3512
PB SSP
IC3060<3>
SEL
IC3061<3>
BUFF
INCOM_CLK27
SDI_CLK27
IC3064<3>
EE CLK 27
REF_CLK_27RP
IC3550<15>
PB PREPRO 50
CLK 36 OUT
CLK 18 OUT
PB_PREP A[0-7]
PB PREP B[0-7]
PB_PREP DATA[0-7]
IC3501<14>
PB COMP100
PB COMP BD_A [0:3]
PB_COMP BD_B[0:3]
PB_COMP SSP
PB_COMP FRP
IC3600<16>
IC3601<16>
PB SHUF MEM
IC3500<14>
PRO DV
IC3055<3>
VCO
FS SEL
FS256
P3010
TDO
TDI
TMS
TCK
IC3013<2>
IP3016<2>
ROM for DV_PROC & IO_VBLK_FPGA
IP3017<2>
ROM for RF_PROC_FPGA
IC3014<2>
From PLD Writer Via Rear Jack
ISP TDI
ISP TMS
ISP TCK
To PLD Writer Via Rear Jack
ISP TDO
From AV JACK
ISP SEL4
To SYSCON
CONF INFO
CONFIG DONE
PB_YC[7:0] (VOUT)
IC3503<14>
BUFFER
To A PROC
PB DATA 34
PB FS2
PB FRM A2
PB DATA 12
PB FS1
PB FRM A1
PB FS 256
PB DATA 34(AUD_CH34)
PB DATA 12(AUD_CH12)
IC3500<14>
BUFFER
To SDTI(1394)
PB DIF BD 0
PB DIF BD 1
PB DIF BD 2
PB DIF BD 3
PB DIF FRP
PB DIF SSP
REC DIF FRP
REC DIF SSP
IC3770<22>
DIF PB_BD[0-3]
DIF PB FRP
DIF PB SSP
DIF REC FRP
DIF REC FRP
IC3774<22>
REC DIF BD 0
REC DIF BD 1
REC DIF BD 2
REC DIF BD 3
DIF REC_BD[0-3]
SDTI/1394(OPTION) ONLY
TP3905
TP3886
PB FRAME A
PB FRM A
DV_PWMO
DATA & CLK
DVuCOM bus
REC_ON_N
EE_ON_N
REC_ECC_FRP,SSP
FE_CTRL A/B
REC_CTRL A/B
TP3323
TSR
REC ECC_BD_A
REC ECC BD_B
REC ECC100
IC3290-93<10>
FIFO
IC3301<11>
SDRAM
IC3300<11>
IC3450<13>
PB ECC100
EE_DLY BD A[0-3]
EE_DLY BD B[0-3]
PB_ECC BD_A[3:0]
PB_ECC BD_B[3:0]
PB ECC FRP,SSP
TRP[0-3]
HSE_A
HSE_B
RP_L_HSW
RP_DATA_A
RP_CLK_A
PB CLK_A
PB DATA_A
RP/PB L_HSW
PB CLK_B
PB DATA_B
RP/PB R_HSW
CLK 18
IC3841
DVuP
REC_ECC FRP
H WND
H ERR
IC3050,3051<3>
27MHz PLL (H LOCK)
X3050
IC3063<3>
IC3064<3>
APROC CLK27
TO SERVO
FPS1
FPS0
REC_SPA
TSR
TRP0
TRP1
TRP2
TRP3
TO REC_PB
REC_L_DATA_P
REC_L_DATA_N
REC_R_DATA_P
REC_R_DATA_N
REC_CLK_P
REC_CLK_N
REC_CLK
TO RF/EQ
RP_L_CLK
RP_L_DATA
RP_R_CLK
RP_R_DATA
RP_L_CLK_N
RP_L_CLK_P
RP_L_DAT_P
RP_L_DAT_N
RP_R_CLK_N
RP_R_CLK_P
RP_R_DAT_P
RP_R_DAT_N
TO RF CUE
FE_CTRL_0
FE_CTRL_1
FE_CTRL_2
FE_CTRL_3
REC_CTRL_A01
REC_CTRL_B01
RE CTRL 0
RE CTRL 1
RE CTRL 2
RE CTRL 3
RE CTRL L
RE CTRL R
PB_L_CLK
PB_L_DATA
PB_R_CLK
PB_R_DATA
PB_L_CLK_N
PB_L_CLK_P
PB_L_DAT_P
PB_L_DAT_N
PB_R_CLK_N
PB_R_CLK_P
PB_R_DAT_P
PB_R_DAT_N
From SERVO
PBR_HSW
PBL_HSW
RPR_HSW
RPL_HSW
TAPE REV P
CUE REV P
FLUSH
SLOW P
To SERVO
FEND
To SDTI, SYSCON
SYS_FEND
To A PROC
APROC_FEND
PB_FRM_18
To AUDIO, SYSCON, SDTI, SERVO
SYS_FRP
To SDTI, SYSCON, SERVO
SYS_SSP
P3002
P700
P5901
P3001
P4001

F5: V_OUT BLOCK DIAGRAM

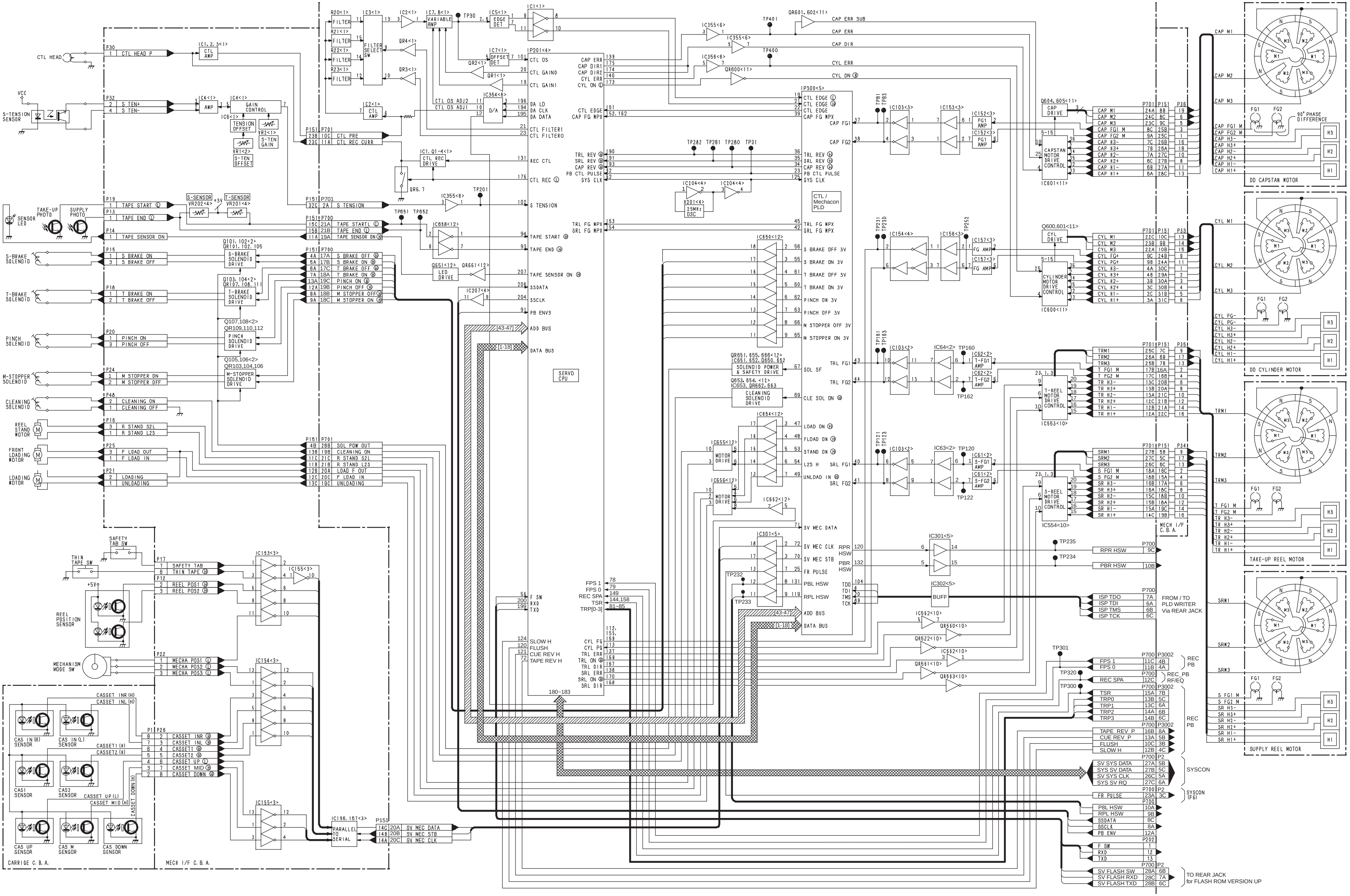

From REC_PB
P3002 P3002
PB_CLK27
EE_CLK27
PB_YC[0-7]
IC3015<2>
BUFFER
IC3052<3>
Y/C SEP
EDGE COMB
TBC_CTRL FPGA (PLD)
Y/C_SEP
I2C DEC
TBC CTRL
FLFO CTRL
IC3090<6>
Interpolation
CK
INT_135
IC3100<7>
Process Amp
13.5MHz CLK
FRM_FRZ_H
FLD_FRZ_H
IC3154<8>
EEPROM
IC3153<8>
ENC_CTRL_FPGA (PLD)
PROCESS CTRL
Blanking
SYNC ADD
INTERPOLATION CONTROL
SYS_H FIFO
REF GEN
SLOPE
PIO
EVR DATA GEN
ENC_CTL GEN
WFM SEL
IN_CF
E_CF
E_FRM
E_HD
PB_FRM
PB_FRM2
I2C DATA for SCH ADJ
DATA & CLK
EVR DATA & CLK
TBC_IC
IC3082<5>
FIFO1
IC3080<5>
FIFO2
IC3083<5>
FIFO1
IC3081<5>
FIFO2
IC3070<4>
89WE_F1
88WRST_F1
87RE_F1
86RRST_F1
91WE_F2
54WRST_F2
56RE_F2
55RRST_F2
TBC_CTRL_Signal
TBC_R_CLK
TBC_W_CLK
IC3051<3>
Delay
FIFO_W_CLK
FIFO_R_CLK
WCK
RST_W
RST_R
IC3903<16>
BUFFER
PROC_CLK
ENC_CLK
DAC CLK
27M CLK
TBC_CLK
From VIN/SDI
P3000 P3001
REC_YC[0-7]
FIFO
IC3017<2>
RCK
IC3016<2>
BUFFER
EE_CF
EE_FRM
EE_HD
PB_FRM
PB_FRM2
INCOM_CF
ENC_CTRL_E_CF
ENC_CTRL PB_FRM2
ENC_CTRL PB_FRM
ENC_CTRL IN_CF
ENC_CTRL E_HD
ENC_CTRL_E_FRM
RSY_A
H_RESET
BFP
From SYSCON
P1 P3001
AV_ADRS[0-10]
IC3011<2>
IN_BUFF
IC3012<2>
BUFF
AV_IOWR_L
AV_RST_L
AV_IORD_L
AV_CS_VOUT_L
OE
DIR
AV_DATA[0-7]
IC3013<2>
From / To PLD Writer Via Rear Jack
P3010
TDO
TDI
TMS
TCK
IP3010<2>
ROM for TBC_CTRL FPGA
IP3018<2>
ROM for ENC_CTRL_FPGA
P600 P3001
ISP_TDI
ISP_TMS
ISP_TCK
ISP_TDO
IC3010<2>
BUFF
To SYSCON
P101 P3001
CONF_INFO
From AV JACK
P100 P3001
ISP_SEL5
REF_IN
IC3600<13>
SYNC_SEPA
IC3606<13>
Comparator
RSY_A (H SYNC)
VR3600
CF_ADJ_M
REF CF ADJ
IC3608<13>
VR3601
CF_ADJ_S
CF_ADJ for 625 mode (AJ-SD955A only)
TP3600
R_HS
GATE
IC3607<13>
HR_X(H_RESET)
BFP
REF_BURST
TP3802
CF_TP2
TP3803
CF_TP1
SCPC(SC Phase control)
IC3802<15>
SYNC GENE
REF CF DET
SCH ON
TP3804
CF
TP3806
FRM
VCO
TP3701
IC3202<9>
D/A
NENT_SYNC_DC
SITE_SYNC_DC
SITE_SETUP
SC_ADJ
For 625 mode (AJ-SD955A only)
X3700<14>
IC3709<14>
4fsc VCO
Comparator
VC3700
IC3702, IC3705<14>
S/H
X3701<14>
REF 4fsc
IC3710<14>
VC3701
FREQ_ADJ
SC_ADJ
IC3707<14>
ERR
WND
VR3700
SYS_SC
VR3701 SYS SC for 625 mode (AJ-SD955A only)
IC3704<14>
Comparator
IC3706<14>
PHASE ERROR
X3702<14>
SYS PLL
27M CLK (SYNCRONIZED to H SYNC of REF)
27M CLK
RSY_B
SCH ON
CF
FRM
WFM_SEL
WFM_TC
ENCODER & DA
IC3201<9>
Y_OUT
PB_OUT
PR_OUT
YCY_OUT
YCC_OUT
IC3900<16>
BUFF
SDI YC [0-9]
To SD2
P3001 P3000
IC3901<16>
BUFF
REF-CF
REF_FRM
REF_HD
To REC_PB
P3002 P3002
IC3902<16>
BUFF
CHR_VSYNC_L
CHR_HSYNC_L
CHR_CLK
OUT_FRM
TC_FRM
To SYSCON
P3002 P2
NENT_SYNC_DC
SYNC_L
Q3200,3205<9>
Fix Delay
DC_Adj
IC3204<9>
Q3202,3206
IC3208<9>
LPF
FL3202<9>
IC3304<10>
AMP
Q3300, 3304<10>
BUFF
COMPONENT Y FREQ ADJ DATA
COMPONENT Y LEVEL ADJ
IC3309<10>
IC3310<10>
Y LEVEL ADJ
IC3206<9>
Delay adj
FL3200<9>
Q3301, 3306<10>
PB LEVEL ADJ DATA
PB FREQ ADJ DATA
IC3305<10>
IC3306<10>
PB LEVEL ADJ
IC3311<10>
PB FREQUENCY ADJ
IC3207<9>
FL3201<9>
IC3307<10>
Q3302,3308
PR FREQUENCY ADJ DATA
IC3308
PR LEVEL ADJ
IC3312<10>
PR TIMING DATA
Q3402,3407<11>
C3412
Q3402,Q3406, 3408<11>
COMPOSITE Y Y FREQ ADJ DATA
FL3400<11>
IC3408<11>
SETUP ADD
Fix Gain
IC3403
Q3409,3412<11>
R3440-45<11>
NTSC ONLY
SETUP_ON_H
IC3407<11>
IC3409<11>
Y Frequerey ADJ
IC3406<11>
Y LEVEL ADJ
COMPOSITE Y LEVEL ADJ DATA
IC3415<11>
PR LEVEL ADJ DATA
IC3416<11>
FL3401<11>
IC3414<11>
PB LEVEL ADJ
COMPOSITE C LEVEL ADJ DATA
Composite C Timing Data
PB TIMING DATA
Q3508,3512
Q3509,3514
VIDEO_OUT1
VIDEO_OUT2
VIDEO_OUT3
To AV JACK
P3001 P100
Y_OUT
PB_OUT
PR_OUT
IC3508<12>
Q3510, 3516
CHR_DATA_H
CHR_GATE_H
WFM_TC
From SYSCON
P3002 P2
WFM_ENV
WFM_RF
IC3506<12>
From RF/EQ
P3002 P5901
WFM_CTL
From SERVO
P3002 P700
IC3507<12>
IC3904<16>
BUFF
REF_CLK27_SDI
To SDI
REF_CLK27_RP
To REC_PB
REF_CLK27_AP
To A PROC
P3002 P4001
REF_CLK27_SDTI
To SDTI

BLK-7

F6: SYSCON BLOCK DIAGRAM

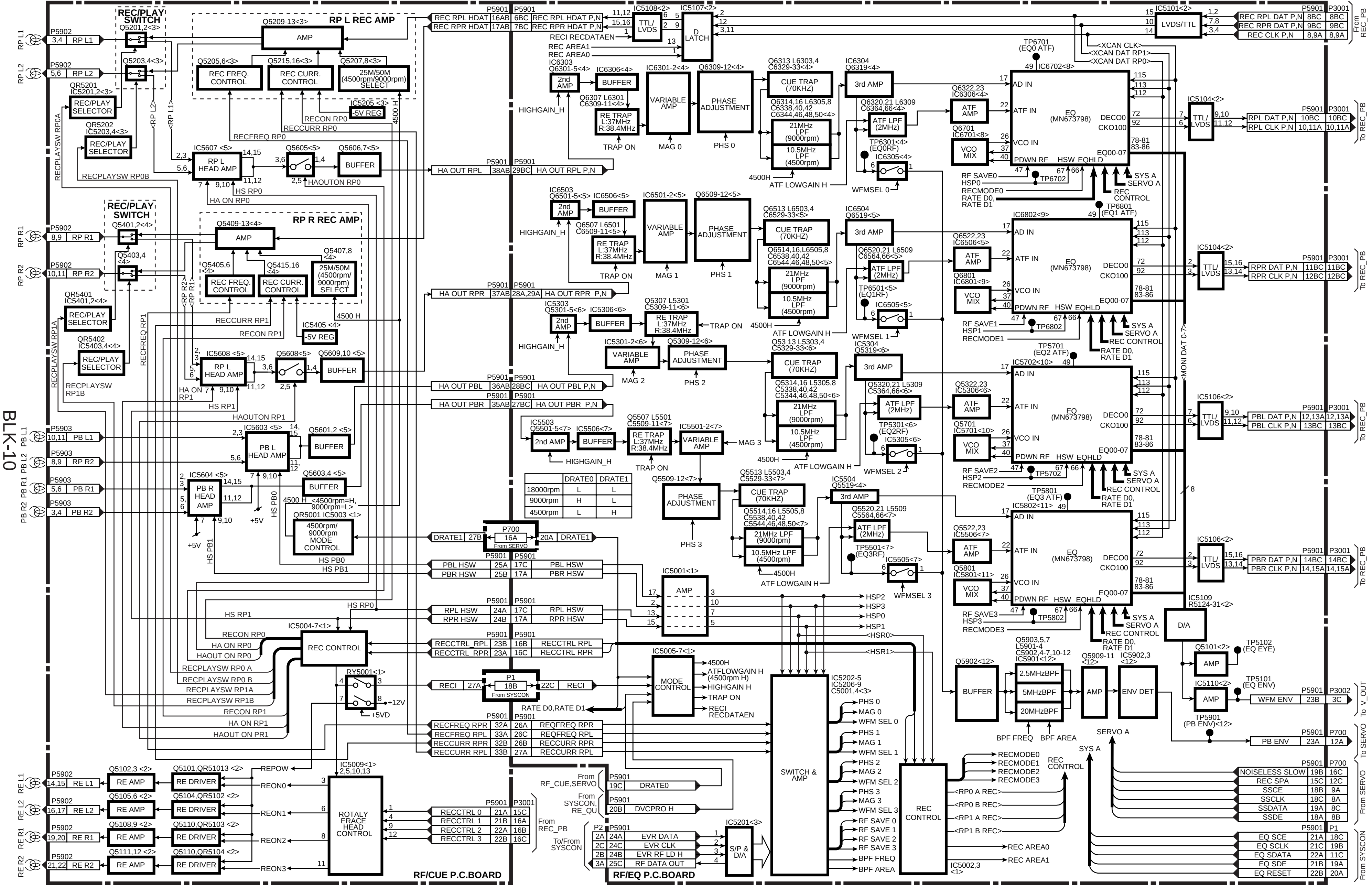

P201<2>
IF JTAG
P200<2>
IF FLASH CON
P1300<13>
PLD JTAG
IP1300<13>
ROM for FPGA
P700 <7>
AV FLASH CON
P701 <7>
AV JTAG
From / To
CPLD writer
via Rear Jack
IC1300<13>
ISP_SEL_6
ISP_TP_TCK
ISP_TMS
ISP_TDI
ISP_TDO
From
SDTI,REC_PB,
SERVO
SYS_FRP
SYS_FEND
IC1202,4,5<12>
REC_FP
FEND_SYS1
From
SERVO
SERVO_LOCK_L
FR_PULSE
SYS_REV_H
OUT_FRP
SV_LOCK_L
CTL_PULSE
TAPE_REV_H
From
A PROC,SDTI
V OUT
OUT_FRM
RS-232C
(15P)
To/From
AV JACK
RS232C_PIN20
RS232C_PIN6
RS232C_PIN2
RS232C_PIN3
IC300<3>
RS232C
DRIVER
DTR
DSR
TX
RX
IC407<4>
5-3
IC504,5<5>
To/From
SDTI
P1394_TX(DF)
P1394_RX(DF)
RS-422A
(9P)
To/From AV JACK
RECEIVE_B_IN_OUT
RECEIVE_A_IN_OUT
TRANSMIT_B_IN_OUT
TRANSMIT_A_IN_OUT
RECEIVE_B_OUT
RECEIVE_A_OUT
TRANSMIT_B_OUT
TRANSMIT_A_OUT
IC400-3<5>
RS422DRIVER
IC506<5>
RXD
TXD
ENCORDER
REMOTE
(25P)
From AV JACK
VIDEO_GAIN
SET_UP
C_GAIN
HUE
SYS_H_PHASE
SYS_SC_PHASE
SYS_SC_CORSE_1
SYS_SC_CORSE_2
RET_GND
IC1000-2<10>
BUFFER
From FRONT
F_REC_VR1
F_REC_VR2
F_REC_VR3
F_REC_VR4
F_HP_VR
F_VR_GND
To/From FRONT
IC502,3<5>
JOG_DIAL0
JOG_DIAL1
JOG_SHTL
JOG_STILL_L
FR_CLK
FR_VFDLED
FR_KEY
FR_STB
FR_RST_L
To/From
AV JACK
IC500<5>
STB_CLK16
SERIAL_CLK
P_SERIAL_OUT
P_SERIAL_IN
To/From
V OUT
IC405<4>
IC406,8<4>
CHR_VSYNC_L
CHR_HSYNC
CHR_CLK
CHR_GATE_H
CHR_DATA_H
CHARACTOR
GENERATOR
OSD_CLK_5V
OSD_DATA_5V
OSD_STB_5V
To SDI
OSD_CLK
OSD_DATA
OSD_STB
FR_WR
SYS_RSW
232C
IP200<2>
IF ucom
M32170F6
SIO0
FP
MOD0
MOD1
19200_H
AD[6-10]
AD[0-5]
CLK
RESET
X200<2>
9.216
MHz
IF_SYS_INT_L
SYS_IF_INT_L
BCLK
WAIT
ADD BUS
DATA BUS
CS_ALL
IF_RD_L
IF_BLW_L
3-5
IC301<3>
IC304<3>
NVRAM
IC600<6>
SYSIF_CTRL_FPGA (PLD)
CTL
COUNT
FLASH
IF
DEC
DPRAM
AV
DEC
etc.
IF/SYS/AV
SIR/PIO
AV_FLASH_CTRL
DV_FLASH_CTRL
DIF_FLASH_CTRL
SV_FLASH_CTRL
IF_FLASH_CTRL
AV_RD_L
AV_WR_L
PLD_RD_L
PLD_WR_L
IF SYS INT L
X700
9.216
MHz
IC701,4
<7>
RESET
5V & 3V
IP700<7>
SYSAV ucom
M32170F6
WAIT_L
IC1105,1107<11>
BUFF
IC1107,1106<11>
To/From
REC_PB
DV_FL_RST
DV_FL_RXD
DV_FL_TXD
DV_FL_FP
To/From
SDTI
DIF_FL_RST
DIF_FL_RXD
DIF_FL_TXD
DIF_FL_FP
To/From
SERVO
SERVO RESET L
SV_FLASH_RXD
SV_FLASH_TXD
SV_FLASH_SW
From
MECHA_IF
IC1200<12>
IC1202
IC1203<12>
SV_SYS_CLK
SV_SYS_DATA
SYS_SV_DATA
SYS_SV_RQ
SV_SYS_INT_L
SV_SYS_INT_L
To/From
REC_PB
AV_DV_INT_L
DV_AV_INT_L
AV JACK
FAN_PULSE1
DEW_ON_H
DEW_GND
From
RF_CUE
TSENCE_OUT
IC1201<12>
To
RF/EQ,
RF_CUE
RECI
DVCPRO_H
EQ_RESET
To RF/EQ
IC1206
EQ_RX_L
EQ_SCLK
EQ_SDATA
EQ_SCE
EQ_SDE
CONF_INFO
To AUDIO,V_IN,
A PROC,SDTI,
REC_PB,V_OUT
REC_PB SERVO,AV JACK
IC800<8>
TC GA
SYS_CLK18
LTCR_INT
LTCG_INT
EVR_DSR
IC1204,1205<12>
IC901,902<9>
IC903-6<9>
From
V_OUT
To/From
AV JACK
TC_FRM
TC_OUT_H
TC_OUT_C
TC_IN_H
TC_IN_C
To
RF/EQ
EVR_CLK
EVR_DATA
EVR_RF_LD_H
CS_TC_L
RD_L
WR_L
AV_ADRS[0-10](*)
AV_DATA[0-7](*)
To AUDIO,V_IN,
A PROC,SDTI,
SDTI,REC_PB,
V_OUT
AV_CS_AUDIO_L
AV_CS_VIN_L
AV_CS_DIF_L
AV_CS_SDI_L
AV_CS_RECPB_L
AV_CS_APROC_L
AV_CS_VOUT_L
IC1103<11>
AV_IORD_L(*)
AV_IOWR_L(*)
AV_RST_L(*)
IC1203,1202,1200<12>
To/From
SDTI
DIF_AV_CLK
DIF_AV_DATA
AV_DIF_DATA
AV_DIF_INT_L
DIF_AV_INT_L
SW200
1 Factory use only
2 Not used
3 Not used
4 Factory use only
5 Factory use only
6 Error Rate Diaplay (Mode Select)
7 Error Rate Diaplay (Head Select)
8 Error Rate Diaplay (Slow / Fast)
(Refer to Service Information)

F7: SERVO BLOCK DIAGRAM


CTL HEAD
S-TENSION SENSOR
SENSOR LED
TAKE-UP PHOTO
SUPPLY PHOTO
S-BRAKE SOLENOID
T-BRAKE SOLENOID
PINCH SOLENOID
M-STOPPER SOLENOID
CLEANING SOLENOID
REEL STAND MOTOR
FRONT LOADING MOTOR
LOADING MOTOR
SAFETY TAB SW
THIN TAPE SW
REEL POSITION SENSOR
MECHANISM MODE SW
CAS IN (R) SENSOR
CAS IN (L) SENSOR
CAS1 SENSOR
CAS2 SENSOR
CAS UP SENSOR
CAS M SENSOR
CAS DOWN SENSOR
CARRIGE C.B.A.
MECH I/F C.B.A.
CTL AMP
GAIN CONTROL
TENSION OFFSET
S-TEN GAIN
S-TEN OFFSET
FILTER
FILTER SELECT SW
VARIABLE AMP
EDGE DET
OFFSET DET
D/A
CTL REC DRIVE
S-BRAKE SOLENOID DRIVE
T-BRAKE SOLENOID DRIVE
PINCH SOLENOID DRIVE
M-STOPPER SOLENOID DRIVE
LED DRIVE
PARALLEL TO SERIAL
SERVO CPU
CTL / Mechacon PLD
25MHz OSC
SOLENOID POWER & SAFETY DRIVE
CLEANING SOLENOID DRIVE
MOTOR DRIVE
BUFF
CAP DRIVE
CAPSTAN MOTOR DRIVE CONTROL
CYL DRIVE
CYLINDER MOTOR DRIVE CONTROL
T-REEL MOTOR DRIVE CONTROL
S-REEL MOTOR DRIVE CONTROL
FG AMP
T-FG1 AMP
T-FG2 AMP
S-FG1 AMP
S-FG2 AMP
DD CAPSTAN MOTOR
DD CYLINDER MOTOR
TAKE-UP REEL MOTOR
SUPPLY REEL MOTOR
90° PHASE DIFFERENCE
MECH I/F C.B.A.
FROM / TO PLD WRITER Via REAR JACK
REC PB
REC_PB RF/EQ
SYSCON
SYSCON (F6)
TO REAR JACK for FLASH ROM VERSION UP
ADD BUS
DATA BUS
SV SYS DATA
SYS SV DATA
SYS SV CLK
SYS SV RQ
FR PULSE
PBL HSW
RPL HSW
SSDATA
SSCLK
PB ENV
F SW
RXD
TXD
SV FLASH SW
SV FLASH RXD
SV FLASH TXD
RPR HSW
PBR HSW
ISP TDO
ISP TDI
ISP TMS
ISP TCK
FPS 1
FPS 0
REC SPA
TSR
TRP0
TRP1
TRP2
TRP3
TAPE REV P
CUE REV P
FLUSH
SLOW H

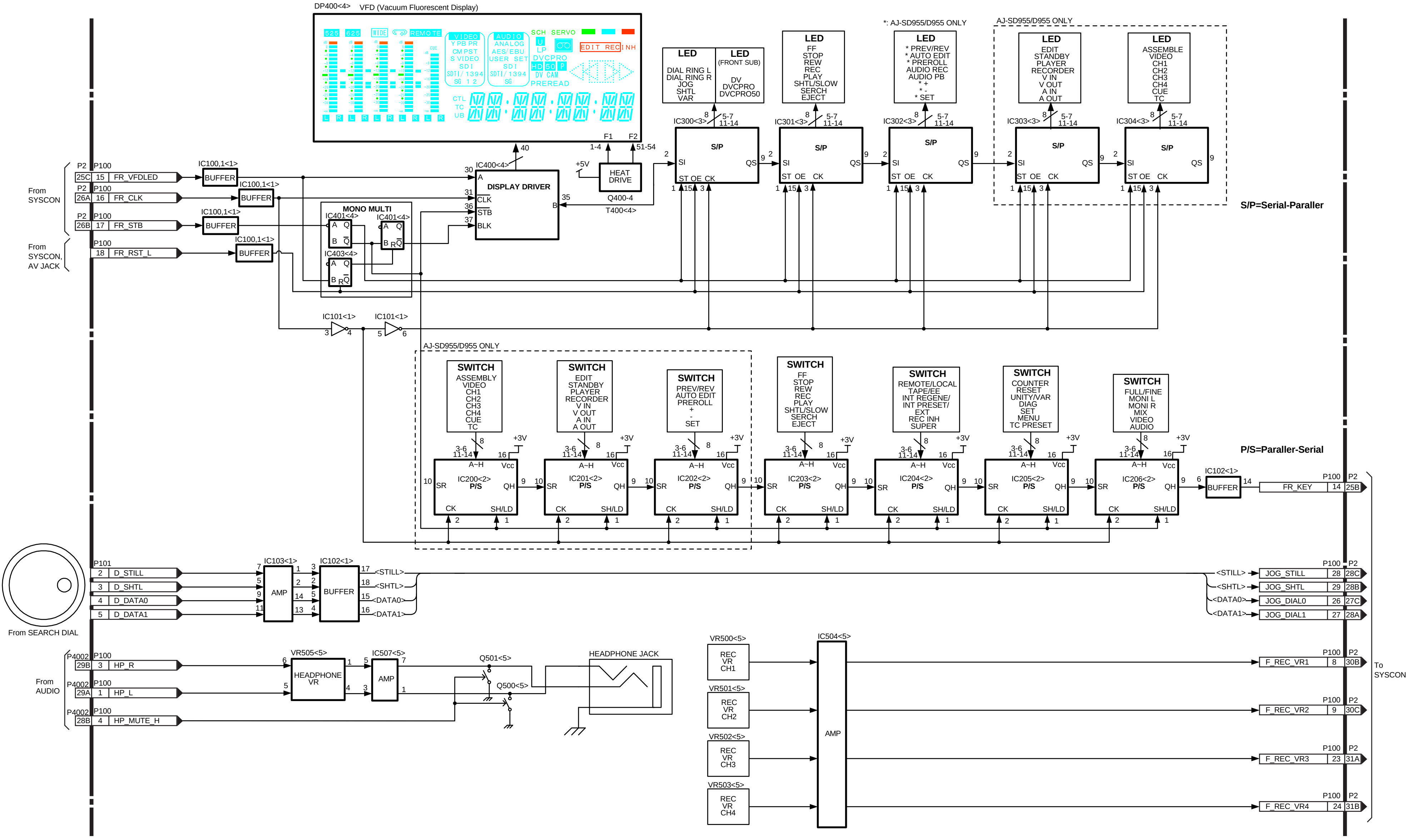
F8: RF/CUE, RF/EQ BLOCK DIAGRAM

☐ <<Original>> ▶ <<PLAYBACK Signal>> ◉ <<REC & EE Signal>>


REC/PLAY SWITCH
Q5201,2<3>
Q5203,4<3>
QR5201 IC5201,2<3> REC/PLAY SELECTOR
QR5202 IC5203,4<3> REC/PLAY SELECTOR
RP L REC AMP
Q5209-13<3> AMP
Q5205,6<3> REC FREQ. CONTROL
Q5215,16<3> REC CURR. CONTROL
Q5207,8<3> 25M/50M (4500rpm/9000rpm) SELECT
IC5205 <3> -5V REG
RECON RP0
RECCURR RP0
RECFREQ RP0
IC5607 <5> RP L HEAD AMP
Q5605<5>
Q5606,7<5> BUFFER
HAOUTON RP0
HS RP0
HA ON RP0
RECPLAYSW RP0A
RECPLAYSW RP0B
RP R REC AMP
Q5409-13<4> AMP
Q5401,2<4>
Q5403,4 <4>
QR5401 IC5401,2<4> REC/PLAY SELECTOR
QR5402 IC5403,4<4> REC/PLAY SELECTOR
Q5405,6 <4> REC FREQ. CONTROL
Q5415,16 <4> REC CURR. CONTROL
Q5407,8 <4> 25M/50M (4500rpm/ 9000rpm) SELECT
IC5405 <4> -5V REG
RECCURR RP1
RECON RP1
RECFREQ RP1
RECPLAYSW RP1A
RECPLAYSW RP1B
IC5608 <5> RP L HEAD AMP
Q5608<5>
Q5609,10 <5> BUFFER
HA ON RP1
HS RP1
HAOUTON RP1
IC5603 <5> PB L HEAD AMP
Q5601,2 <5> BUFFER
IC5604 <5> PB R HEAD AMP
Q5603,4 <5> BUFFER
QR5001 IC5003 <1> 4500rpm/ 9000rpm MODE CONTROL
4500 H <4500rpm=H, 9000rpm=L>
HS PB0
HS PB1
IC5004-7<1> REC CONTROL
RY5001<1>
+12V
+5VD
RECON RP1
HA ON RP1
HAOUT ON PR1
Q5102,3 <2> RE AMP
Q5101,QR51013 <2> RE DRIVER
Q5105,6 <2> RE AMP
Q5104,QR5102 <2> RE DRIVER
Q5108,9 <2> RE AMP
Q5110,QR5103 <2> RE DRIVER
Q5111,12 <2> RE AMP
Q5110,QR5104 <2> RE DRIVER
REPOW
REON0
REON1
REON2
REON3
IC5009<1> 2,5,10,13 ROTALY ERACE HEAD CONTROL
RECCTRL 0
RECCTRL 1
RECCTRL 2
RECCTRL 3
From REC_PB
RF/CUE P.C.BOARD
RP L1
RP L2
RP R1
RP R2
PB L1
PB L2
PB R1
PB R2
RE L1
RE L2
RE R1
RE R2
P5902
P5903
P5901
P3001
REC RPL HDAT P,N
REC RPR HDAT P,N
HA OUT RPL
HA OUT RPR P,N
HA OUT PBL
HA OUT PBR
P700 From SERVO
DRATE1
PBL HSW
PBR HSW
RPL HSW
RPR HSW
RECCTRL RPL
RECCTRL RPR
P1 From SYSCON
RECI
RECFREQ RPR
RECFREQ RPL
RECCURR RPR
RECCURR RPL
IC5108<2> TTL/ LVDS
IC5107<2> D LATCH
REC RECDATAEN
REC AREA1
REC AREA0
IC5101<2> LVDS/TTL
REC RPL DAT P,N
REC RPR DAT P,N
REC CLK P,N
From REC_PB
<XCAN CLK>
<XCAN DAT RP1>
<XCAN DAT RP0>
IC6303 Q6301-5<4> 2nd AMP
IC6306<4> BUFFER
Q6307 L6301 C6309-11<4> RE TRAP L:37MHz R:38.4MHz
IC6301-2<4> VARIABLE AMP
Q6309-12<4> PHASE ADJUSTMENT
HIGHGAIN_H
TRAP ON
MAG 0
PHS 0
Q6313 L6303,4 C6329-33<4> CUE TRAP (70KHZ)
Q6314,16 L6305,8 C6338,40,42 C6344,46,48,50<4> 21MHz LPF (9000rpm)
10.5MHz LPF (4500rpm)
4500H
ATF LOWGAIN H
IC6304 Q6319<4> 3rd AMP
Q6320,21 L6309 C6364,66<4> ATF LPF (2MHz)
TP6301<4> (EQ0RF)
IC6305<4>
WFMSEL 0
TP6701 (EQ0 ATF)
IC6702<8> EQ (MN673798)
AD IN
ATF IN
VCO IN
PDWN RF
HSW
EQHLD
DECO0
CKO100
EQ00-07
Q6322,23 IC6306<4> ATF AMP
Q6701 IC6701<8> VCO MIX
RF SAVE0
HSP0
RECMODE0
RATE D0, RATE D1
TP6702
SYS A
SERVO A
REC CONTROL
IC5104<2> TTL/ LVDS
RPL DAT P,N
RPL CLK P,N
To REC_PB
IC6503 Q6501-5<5> 2nd AMP
IC6506<5> BUFFER
Q6507 L6501 C6509-11<5> RE TRAP L:37MHz R:38.4MHz
IC6501-2<5> VARIABLE AMP
Q6509-12<5> PHASE ADJUSTMENT
TRAP ON
MAG 1
PHS 1
Q6513 L6503,4 C6529-33<5> CUE TRAP (70KHZ)
Q6514,16,L6505,8 C6538,40,42 C6544,46,48,50<5> 21MHz LPF (9000rpm)
10.5MHz LPF (4500rpm)
IC6504 Q6519<5> 3rd AMP
Q6520,21 L6509 C6564,66<5> ATF LPF (2MHz)
TP6501<5> (EQ1RF)
IC6505<5>
WFMSEL 1
IC6802<9> EQ (MN673798)
TP6801 (EQ1 ATF)
Q6522,23 IC6506<5> ATF AMP
Q6801 IC6801<9> VCO MIX
RF SAVE1
HSP1
RECMODE1
TP6802
RPR DAT P,N
RPR CLK P,N
IC5303 Q5301-5<6> 2nd AMP
IC5306<6> BUFFER
Q5307 L5301 C5309-11<6> RE TRAP L:37MHz R:38.4MHz
IC5301-2<6> VARIABLE AMP
Q5309-12<6> PHASE ADJUSTMENT
MAG 2
PHS 2
Q53 13 L5303,4 C5329-33<6> CUE TRAP (70KHZ)
Q5314,16 L5305,8 C5338,40,42 C5344,46,48,50<6> 21MHz LPF (9000rpm)
10.5MHz LPF (4500rpm)
IC5304 Q5319<6> 3rd AMP
Q5320,21 L5309 C5364,66<6> ATF LPF (2MHz)
TP5301<6> (EQ2RF)
IC5305<6>
WFMSEL 2
TP5701 (EQ2 ATF)
IC5702<10> EQ (MN673798)
Q5322,23 IC5306<6> ATF AMP
Q5701 IC5701<10> VCO MIX
RF SAVE2
HSP2
RECMODE2
TP5702
IC5106<2> TTL/ LVDS
PBL DAT P,N
PBL CLK P,N
IC5503 Q5501-5<7> 2nd AMP
IC5506<7> BUFFER
Q5507 L5501 C5509-11<7> RE TRAP L:37MHz R:38.4MHz
IC5501-2<7> VARIABLE AMP
MAG 3
Q5509-12<7> PHASE ADJUSTMENT
PHS 3
Q5513 L5503,4 C5529-33<7> CUE TRAP (70KHZ)
Q5514,16 L5505,8 C5538,40,42 C5544,46,48,50<7> 21MHz LPF (9000rpm)
10.5MHz LPF (4500rpm)
IC5504 Q5519<4> 3rd AMP
Q5520,21 L5509 C5564,66<7> ATF LPF (2MHz)
TP5501<7> (EQ3RF)
IC5505<7>
WFMSEL 3
TP5801 (EQ3 ATF)
IC5802<11> EQ (MN673798)
Q5522,23 IC5506<7> ATF AMP
Q5801 IC5801<11> VCO MIX
RF SAVE3
HSP3
RECMODE3
TP5802
PBR DAT P,N
PBR CLK P,N
<MONI DAT 0-7>
IC5109 R5124-31<2> D/A
Q5101<2> AMP
TP5102 (EQ EYE)
IC5110<2> AMP
TP5101 (EQ ENV)
WFM ENV
To V_OUT
TP5901 (PB ENV)<12>
PB ENV
To SERVO
IC5001<1> AMP
HSP2
HSP3
HSP0
HSP1
<HSR0>
<HSR1>
IC5005-7<1> MODE CONTROL
4500H
ATFLOWGAIN H (4500rpm H)
HIGHGAIN H
TRAP ON
RECI RECDATAEN
RATE D0,RATE D1
IC5202-5 IC5206-9 C5001,4<3> SWITCH & AMP
PHS 0
MAG 0
WFM SEL 0
PHS 1
MAG 1
WFM SEL 1
PHS 2
MAG 2
WFM SEL 2
PHS 3
MAG 3
WFM SEL 3
RF SAVE 0
RF SAVE 1
RF SAVE 2
RF SAVE 3
BPF FREQ
BPF AREA
REC CONTROL
IC5002,3 <1>
RECMODE0
RECMODE1
RECMODE2
RECMODE3
<RP0 A REC>
<RP0 B REC>
<RP1 A REC>
<RP1 B REC>
REC AREA0
REC AREA1
Q5902<12> BUFFER
Q5903,5,7 L5901-4 C5902,4-7,10-12 IC5901<12> 2.5MHzBPF
5MHzBPF
20MHzBPF
Q5909-11 <12> AMP
IC5902,3 <12> ENV DET
BPF FREQ
BPF AREA
SERVO A
SYS A
From RF_CUE,SERVO
DRATE0
From SYSCON, RE_QU
DVCPRO H
To/From SYSCON
IC5201<3> S/P & D/A
EVR DATA
EVR CLK
EVR RF LD H
RF DATA OUT
RF/EQ P.C.BOARD
NOISELESS SLOW
REC SPA
SSCE
SSCLK
SSDATA
SSDE
From SERVO
EQ SCE
EQ SCLK
EQ SDATA
EQ SDE
EQ RESET
From SYSCON

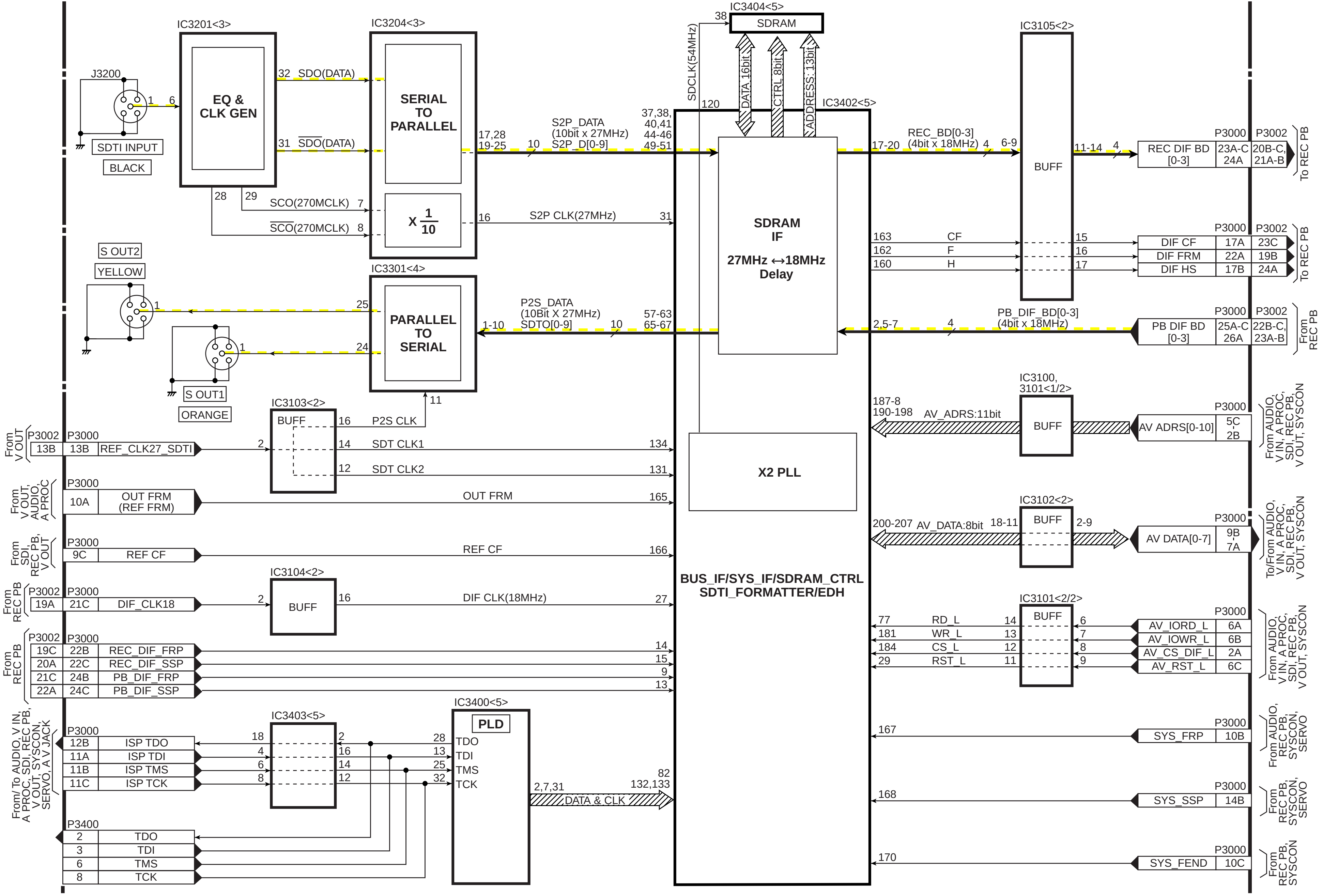
	DRATE0	DRATE1
18000rpm	L	L
9000rpm	H	L
4500rpm	L	H

FRONT BLOCK DIAGRAM


DP400<4> VFD (Vacuum Fluorescent Display)
525 625 WIDE REMOTE VIDEO Y PB PR CMPST S VIDEO SDI SDTI/1394 SG 1 2 AUDIO ANALOG AES/EBU USER SET SDI SDTI/1394 SG SCH SERVO LP DVCPRO HD 50 P DV CAM PREREAD EDIT REC INH CTL TC UB
L R L R L R L R L R
F1 F2 1-4 51-54 40
HEAT DRIVE
Q400-4 T400<4>
+5V
IC400<4> DISPLAY DRIVER A CLK STB BLK B 30 31 36 37 35
From SYSCON
P2 P100 25C 15 FR_VFDLED
P2 P100 26A 16 FR_CLK
P2 P100 26B 17 FR_STB
From SYSCON, AV JACK
P100 18 FR_RST_L
IC100,1<1> BUFFER
MONO MULTI IC401<4> IC403<4> A Q B Q̄ R
IC101<1> 3 4 5 6
LED DIAL RING L DIAL RING R JOG SHTL VAR
LED (FRONT SUB) DV DVCPRO DVCPRO50
LED FF STOP REW REC PLAY SHTL/SLOW SERCH EJECT
*: AJ-SD955/D955 ONLY
LED * PREV/REV * AUTO EDIT * PREROLL AUDIO REC AUDIO PB * + * - * SET
AJ-SD955/D955 ONLY
LED EDIT STANDBY PLAYER RECORDER V IN V OUT A IN A OUT
LED ASSEMBLE VIDEO CH1 CH2 CH3 CH4 CUE TC
IC300<3> IC301<3> IC302<3> IC303<3> IC304<3>
8 5-7 11-14
S/P SI QS ST OE CK 1 15 3 2 9
S/P=Serial-Parallel
AJ-SD955/D955 ONLY
SWITCH ASSEMBLE VIDEO CH1 CH2 CH3 CH4 CUE TC
SWITCH EDIT STANDBY PLAYER RECORDER V IN V OUT A IN A OUT
SWITCH PREV/REV AUTO EDIT PREROLL + - SET
SWITCH FF STOP REW REC PLAY SHTL/SLOW SERCH EJECT
SWITCH REMOTE/LOCAL TAPE/EE INT REGENE/ INT PRESET/ EXT REC INH SUPER
SWITCH COUNTER RESET UNITY/VAR DIAG SET MENU TC PRESET
SWITCH FULL/FINE MONI L MONI R MIX VIDEO AUDIO
IC200<2> IC201<2> IC202<2> IC203<2> IC204<2> IC205<2> IC206<2>
P/S SR QH CK SH/LD A~H Vcc +3V 3-6 11-14 8 16 10 9 2 1
P/S=Paraller-Serial
IC102<1> BUFFER 6 14
P100 P2 FR_KEY 14 25B
From SEARCH DIAL
P101 2 D_STILL 3 D_SHTL 4 D_DATA0 5 D_DATA1
IC103<1> AMP 7 5 9 11 1 2 14 13
IC102<1> BUFFER 3 2 5 4 17 18 15 16
<STILL> <SHTL> <DATA0> <DATA1>
P100 P2 JOG_STILL 28 28C JOG_SHTL 29 28B JOG_DIAL0 26 27C JOG_DIAL1 27 28A
From AUDIO
P4002 P100 29B 3 HP_R
P4002 P100 29A 1 HP_L
P4002 P100 28B 4 HP_MUTE_H
VR505<5> HEADPHONE VR 6 5 1 4
IC507<5> AMP 5 3 7 1
Q501<5> Q500<5>
HEADPHONE JACK
VR500<5> REC VR CH1
VR501<5> REC VR CH2
VR502<5> REC VR CH3
VR503<5> REC VR CH4
IC504<5> AMP
P100 P2 F_REC_VR1 8 30B F_REC_VR2 9 30C F_REC_VR3 23 31A F_REC_VR4 24 31B
To SYSCON

BLK-11

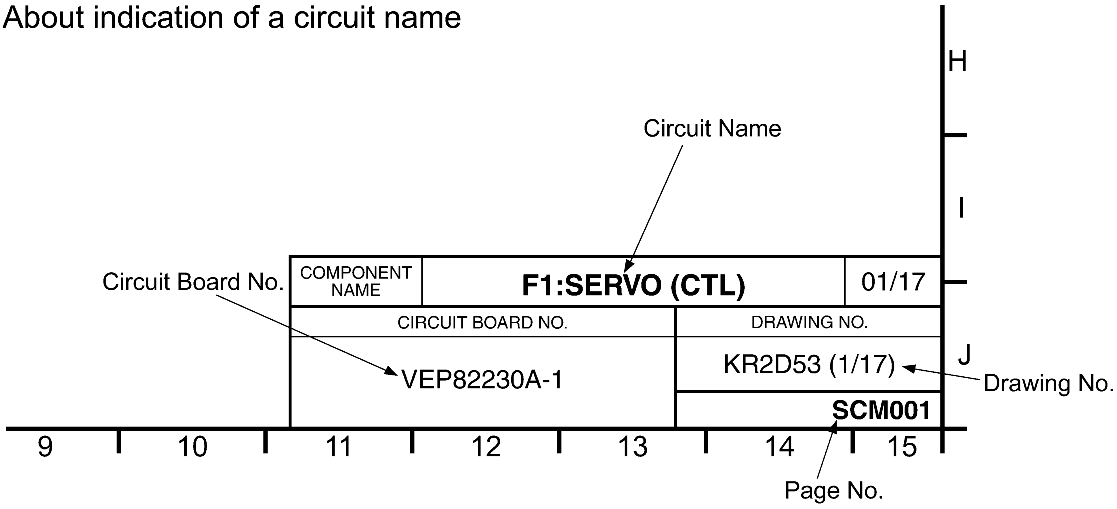
F3B: SDTI BLOCK DIAGRAM (AJ-YAC930G: OPTION)


J3200
SDTI INPUT
BLACK
IC3201<3>
EQ & CLK GEN
32 SDO(DATA)
31 SDO(DATA)
28
29
SCO(270MCLK) 7
SCO(270MCLK) 8
IC3204<3>
SERIAL TO PARALLEL
X 1/10
17,28
19-25
10
S2P_DATA
(10bit x 27MHz)
S2P_D[0-9]
37,38,
40,41
44-46
49-51
16
S2P CLK(27MHz)
31
IC3404<5>
SDRAM
38
SDCLK(54MHz)
120
DATA 16bit
CTRL 8bit
ADDRESS 13bit
IC3402<5>
SDRAM IF
27MHz ↔18MHz Delay
X2 PLL
BUS_IF/SYS_IF/SDRAM_CTRL
SDTI_FORMATTER/EDH
S OUT2
YELLOW
S OUT1
ORANGE
IC3301<4>
PARALLEL TO SERIAL
25
24
11
1-10
P2S_DATA
(10Bit X 27MHz)
SDTO[0-9]
10
57-63
65-67
IC3103<2>
BUFF
16 P2S CLK
14 SDT CLK1
12 SDT CLK2
2
134
131
From V OUT
P3002
P3000
13B
13B
REF_CLK27_SDTI
From V OUT, AUDIO, A PROC
P3000
10A
OUT FRM (REF FRM)
165
From SDI, REC PB, V OUT
P3000
9C
REF CF
166
From REC PB
P3002 P3000
19A 21C DIF_CLK18
IC3104<2>
BUFF
16
DIF CLK(18MHz)
27
From REC PB
P3002 P3000
19C 22B REC_DIF_FRP 14
20A 22C REC_DIF_SSP 15
21C 24B PB_DIF_FRP 9
22A 24C PB_DIF_SSP 13
From/ To AUDIO,V IN, A PROC, SDI, REC PB, V OUT, SYSCON, SERVO, A V JACK
P3000
12B ISP TDO
11A ISP TDI
11B ISP TMS
11C ISP TCK
IC3403<5>
18 4 6 8
2 16 14 12
IC3400<5>
PLD
28 TDO
13 TDI
25 TMS
32 TCK
2,7,31
82
132,133
DATA & CLK
P3400
2 TDO
3 TDI
6 TMS
8 TCK
IC3105<2>
BUFF
17-20
REC_BD[0-3]
(4bit x 18MHz)
4
6-9
11-14
4
P3000 P3002
REC DIF BD [0-3] 23A-C 24A 20B-C, 21A-B
To REC PB
163 CF 15
162 F 16
160 H 17
DIF CF 17A 23C
DIF FRM 22A 19B
DIF HS 17B 24A
To REC PB
2,5-7
4
PB_DIF_BD[0-3]
(4bit x 18MHz)
PB DIF BD [0-3] 25A-C 26A 22B-C, 23A-B
From REC PB
IC3100, 3101<1/2>
BUFF
187-8
190-198
AV_ADRS:11bit
AV ADRS[0-10]
5C
2B
From AUDIO, V IN, A PROC, SDI, REC PB, V OUT, SYSCON
IC3102<2>
BUFF
200-207
AV_DATA:8bit
18-11
2-9
AV DATA[0-7]
9B
7A
To/From AUDIO, V IN, A PROC, SDI, REC PB, V OUT, SYSCON
IC3101<2/2>
BUFF
77 RD_L 14 6 AV_IORD_L 6A
181 WR_L 13 7 AV_IOWR_L 6B
184 CS_L 12 8 AV_CS_DIF_L 2A
29 RST_L 11 9 AV_RST_L 6C
From AUDIO, V IN, A PROC, SDI, REC PB, V OUT, SYSCON
167
SYS_FRP 10B
From AUDIO, REC PB, SYSCON, SERVO
168
SYS_SSP 14B
From REC PB, SYSCON, SERVO
170
SYS_FEND 10C
From REC PB, SYSCON

SECTION 6

SCHEMATIC DIAGRAMS

About indication of a circuit name


H
Circuit Name
I
Circuit Board No.
COMPONENT NAME
F1:SERVO (CTL)
01/17
CIRCUIT BOARD NO.
DRAWING NO.
VEP82230A-1
KR2D53 (1/17)
J
Drawing No.
SCM001
9
10
11
12
13
14
15
Page No.

NOTE:
BE SURE TO MAKE YOUR ORDERS OF REPLACEMENT PARTS ACCORDING TO PARTS LIST, SECTION 8

CAUTION

THE ▭ MARK INDICATES THE PRIMARY CIRCUIT TO DISTINGUISH THE PRIMARY FROM THE SECONDARY CIRCUIT.
PAY ATTENTION NOT TO RECEIVE AN ELECTRIC SHOCK DURING REPAIR AND SERVICE OF THE PRODUCTS.

IMPORTANT SAFETY NOTICE:
COMPONENTS IDENTIFIED WITH THE MARK ⚠ HAVE THE SPECIAL CHARACTERISTICS FOR SAFETY.
WHEN REPLACING ANY OF THESE COMPONENTS, USE ONLY THE SAME TYPE.

CONTENTS

MOTHER

AUDIO (01/10) ... SCM001
V_IN, APROC (02/10) ... SCM002
SDI, SDTI (03/10) ... SCM003
RECPB (04/10) ... SCM004
VOUT (05/10) ... SCM005
SYSCON (06/10) ... SCM006
SERVO (07/10) ... SCM007
RF/EQ, RFCUE (08/10) ... SCM008
MECHA_IF, POWER (09/10) ... SCM009
FRONT, AV JACK (10/10) ... SCM010

F1: AUDIO

CONNECTOR (01/13) ... SCM011
INPUT_12 (02/13) ... SCM012
INPUT_34 (03/13) ... SCM013
CODEC_12/34 (04/13) ... SCM014
D/A_LR (05/13) ... SCM015
OUTPUT_12 (6/13) ... SCM016
OUTPUT_34 (07/13) ... SCM017
OUTPUT_LR (08/13) ... SCM018
PIO (09/13) ... SCM019
CUE_R/P (10/13) ... SCM020
CUE_CODEC (11/13) ... SCM021
CUE_IN/OUTPUT (12/13) ... SCM022
ISP (13/13) ... SCM023

F2B: APROC

CONNECTOR (01/12) ... SCM024
POWER (02/12) ... SCM025
AVIF (03/12) ... SCM026
IOBUF (04/12) ... SCM027
PLL (05/12) ... SCM028
ISP (06/12) ... SCM029
PCMCNT (07/12) ... SCM030
AES_SRC (08/12) ... SCM031
DIFCNT (09/12) ... SCM032
SLOW (10/12) ... SCM033
ACNT (11/12) ... SCM034
SRC (12/12) ... SCM035

F3A: SDI

CONNECTOR (01/06) ... SCM036
SYSIO (02/06) ... SCM037
S2P (03/06) ... SCM038
DECODER (04/06) ... SCM039
P2S_1 (05/06) ... SCM040
P2S_2 (06/06) ... SCM041

F4: REC PB

MOTHER (01/25) ... SCM042
POWER (02/25) ... SCM043
PLL/VCO (03/25) ... SCM044
IO, VBLK (04/25) ... SCM045
REC_PREP (05/25) ... SCM046
REC_SHUF_MEM (06/25) ... SCM047
REC_COMP (07/25) ... SCM048
REC_VBLK (08/25) ... SCM049
DV_PROC (09/25) ... SCM050
DVBUS_EE_FIFO (10/25) ... SCM051
REC_ECC100 (11/25) ... SCM052
RF_PROC (12/25) ... SCM053
PB_ECC100 (13/25) ... SCM054
PB_COMP (14/25) ... SCM055
PB_PREP (15/25) ... SCM056
PB_SHUF_MEM (16/25) ... SCM057
VIDEO_DATA (17/25) ... SCM058
PB_VBLK (18/25) ... SCM059
PB_PLL (19/25) ... SCM060
TEL_TXT (20/25) ... SCM061
SLOW CTRL (21/25) ... SCM062
IO_BUFF (22/25) ... SCM063
MPU_BUS_I/F (23/25) ... SCM064
DV_uP (24/25) ... SCM065
DV_ETC (25/25) ... SCM066

F5: V OUT

CONNECTOR (01/16) ... SCM067
IN_BUFF (02/16) ... SCM068
TBC_CTRL (03/16) ... SCM069
TBC_LSI (04/16) ... SCM070
TBC_FIFO (05/16) ... SCM071
INTERPOLATION (06/16) ... SCM072
PROC_AMP (07/16) ... SCM073
ENC_CTRL (08/16) ... SCM074
ENCODER (09/16) ... SCM075
COMPONENT_BUFF (10/16) ... SCM076
YC_MIX (11/16) ... SCM077
COMPOSITE_BUFF (12/16) ... SCM078
SYNC_SEP (13/16) ... SCM079
PLL (14/16) ... SCM080
SYNC_GEN (15/16) ... SCM081
OUT_BUFF (16/16) ... SCM082

F6: SYSCON

SYSCON (01/13) ... SCM083
IF uCOM (02/13) ... SCM084
NVRAM/232C (03/13) ... SCM085
9P (04/13) ... SCM086
BUFFER (05/13) ... SCM087
SYS_CTRL (06/13) ... SCM088
SYSAV (07/13) ... SCM089
TC GA (08/13) ... SCM090
TC IF (09/13) ... SCM091
ANALOG IF (10/13) ... SCM092
I/O BUFF1 (11/13) ... SCM093
I/O BUFF2 (12/13) ... SCM094
ISP (13/13) ... SCM095

F7: SERVO

CTL (01/13) ... SCM096
REEL_FG (02/13) ... SCM097
CA_CY_FG (03/13) ... SCM098
CPU (04/13) ... SCM099
PLD (05/13) ... SCM100
CPU_IF (06/13) ... SCM101
POWER (07/13) ... SCM102
SW2 (08/13) ... SCM103
SW1 (09/13) ... SCM104
RL_DRV (10/13) ... SCM105
CA_CY_DRV (11/13) ... SCM106
M_IF (12/13) ... SCM107
SERVO (13/13) ... SCM108

F8: RF/EQ

RF/EQ (01/13) ... SCM109
RF/EQ (02/13) ... SCM110
RF/EQ (03/13) ... SCM111
RF/EQ (04/13) ... SCM112
RF/EQ (05/13) ... SCM113
RF/EQ (06/13) ... SCM114
RF/EQ (07/13) ... SCM115
RF/EQ (08/13) ... SCM116
RF/EQ (09/13) ... SCM117
RF/EQ (10/13) ... SCM118
RF/EQ (11/13) ... SCM119
RF/EQ (12/13) ... SCM120
RF/EQ (13/13) ... SCM121

RF/CUE

RF/CUE (01/07)........ SCM122
RF/CUE (02/07)........ SCM123
RF/CUE (03/07)........ SCM124
RF/CUE (04/07)........ SCM125
RF/CUE (05/07)........ SCM126
RF/CUE (06/07)........ SCM127
RF/CUE (07/07)........ SCM128

FRONT (SD930)

CONNECTOR, DIAL (01/05) SCM129
KEY (02/05)........ SCM130
LED (03/05)........ SCM131
VFD (04/05)........ SCM132
VR, HEADPHONE (05/05)........ SCM133

FRONT (SD955A)

CONNECTOR, DIAL (01/05) SCM134
KEY (02/05)........ SCM135
LED (03/05)........ SCM136
VFD (04/05)........ SCM137
VR, HEADPHONE (05/05)........ SCM138

FRONT SUB

FRONT SUB (01/01)........ SCM139

AV JACK

AV JACK (01/06) SCM140
AV JACK (02/06) SCM141
AUDIO ANALOG I/O (03/06) SCM142
AES_IN/OUT (04/06)........ SCM143
AV JACK (05/06) SCM144
FPGA CONFIG PORT (06/06)........ SCM145

POWER 1

POWER 1 (01/02)........ SCM146
POWER 1 (02/02)........ SCM147

POWER 2

POWER 2 (01/01)........ SCM148

MECHA_IF

MECHA_IF (01/04) SCM149
MECHA_IF (02/04) SCM150
MECHA_IF (03/04) SCM151
MECHA_IF (04/04) SCM152

MECHA_IF2

MECHA_IF2 (01/01) SCM153

EJECT

EJECT (01/01)........ SCM154

F2A: V_IN (AJ-YA931G:OPTION)

CONNECTOR (01/19) SCM155
POWER (02/19)........ SCM156
COMP_IN (03/19)........ SCM157
1st_AD (04/19) SCM158
SDEC (05/19)........ SCM159
DECBUF (06/19) SCM160
4fsc_PLL (07/19) SCM161
CDEM (08/19) SCM162
SYNC_SEP (09/19) SCM163
135M_PLL (10/19)........ SCM164
M2B_SEL (11/19)........ SCM165
2nd_AD_Y (12/19)........SCM166
2nd_AD_PB (13/19) SCM167
2nd_AD_PR (14/19) SCM168
EVR (15/19) SCM169
DIG_GEN (16/19)........SCM170
OUTBUFF (17/19) SCM171
COM_BUFF (18/19) SCM172
ISP (19/19)........SCM173

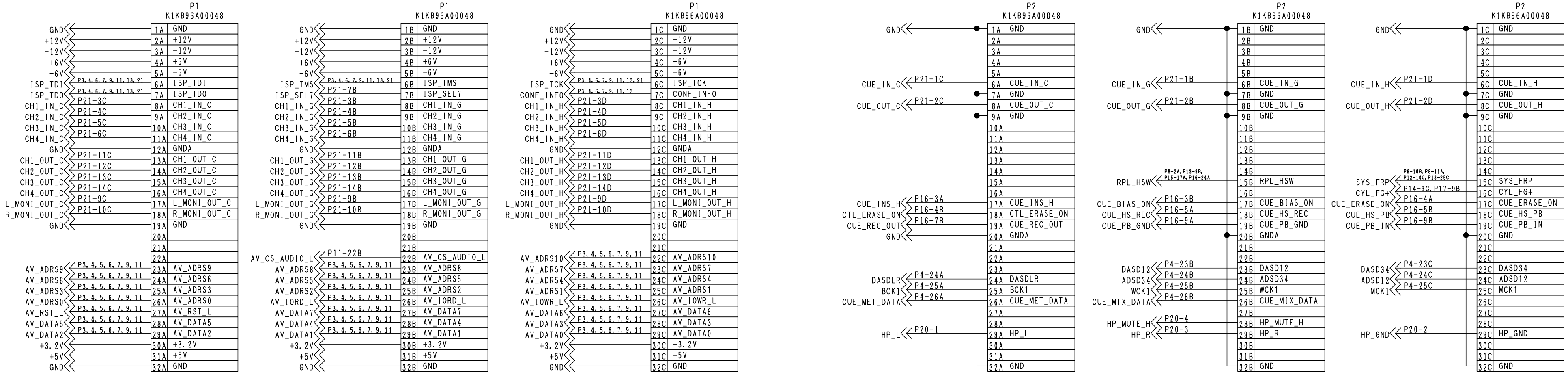
F2A: V_IN (AJ-YA932G:OPTION)

CONNECTOR (01/19)........SCM174
POWER (02/19) SCM175
COMP_IN (03/19)........SCM176
1st_AD (04/19) SCM177
SDEC (05/19)........SCM178
DECBUF (06/19) SCM179
4fsc_PLL (07/19) SCM180
CDEM (08/19) SCM181
SYNC_SEP (09/19)........SCM182
135M_PLL (10/19)........SCM183
M2B_SEL (11/19)........SCM184
2nd_AD_Y (12/19)........SCM185
2nd_AD_PB (13/19) SCM186
2nd_AD_PR (14/19) SCM187
EVR (15/19) SCM188
DIG_GEN (16/19)........SCM189
OUTBUFF (17/19) SCM190
COM_BUFF (18/19) SCM191
ISP (19/19)........SCM192

F3B: SDTI (AJ-YAC930G:OPTION)

CONNECTOR (01/05)........SCM193
IO_BUFF (02/05)........SCM194
S2P (03/05)........SCM195
P2S (04/05)........SCM196
FPGA (05/05) SCM197

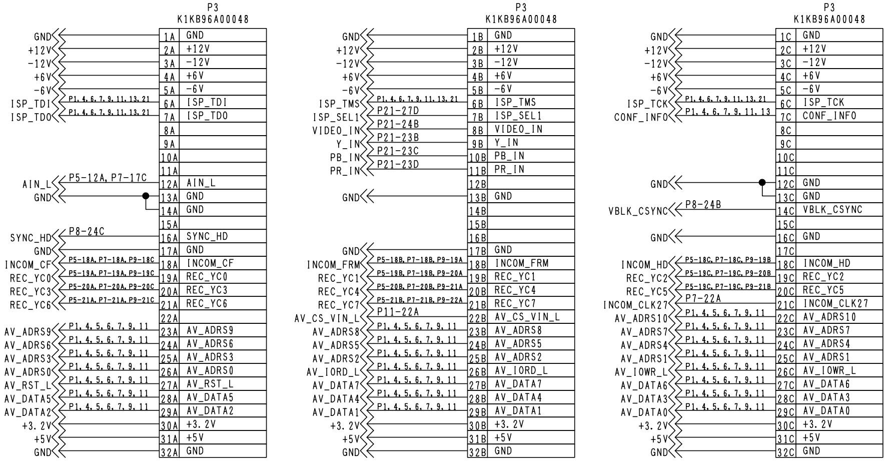
F1 (AUDIO)



P1
K1KB96A00048
GND 1A GND
+12V 2A +12V
-12V 3A -12V
+6V 4A +6V
-6V 5A -6V
ISP_TDI P3, 4, 6, 7, 9, 11, 13, 21 6A ISP_TDI
ISP_TDO P3, 4, 6, 7, 9, 11, 13, 21 7A ISP_TDO
CH1_IN_C P21-3C 8A CH1_IN_C
CH2_IN_C P21-4C 9A CH2_IN_C
CH3_IN_C P21-5C 10A CH3_IN_C
CH4_IN_C P21-6C 11A CH4_IN_C
GND 12A GNDA
CH1_OUT_C P21-11C 13A CH1_OUT_C
CH2_OUT_C P21-12C 14A CH2_OUT_C
CH3_OUT_C P21-13C 15A CH3_OUT_C
CH4_OUT_C P21-14C 16A CH4_OUT_C
L_MONI_OUT_C P21-9C 17A L_MONI_OUT_C
R_MONI_OUT_C P21-10C 18A R_MONI_OUT_C
GND 19A GND
20A
21A
22A
AV_ADRS9 P3, 4, 5, 6, 7, 9, 11 23A AV_ADRS9
AV_ADRS6 P3, 4, 5, 6, 7, 9, 11 24A AV_ADRS6
AV_ADRS3 P3, 4, 5, 6, 7, 9, 11 25A AV_ADRS3
AV_ADRS0 P3, 4, 5, 6, 7, 9, 11 26A AV_ADRS0
AV_RST_L P3, 4, 5, 6, 7, 9, 11 27A AV_RST_L
AV_DATA5 P3, 4, 5, 6, 7, 9, 11 28A AV_DATA5
AV_DATA2 P3, 4, 5, 6, 7, 9, 11 29A AV_DATA2
+3.2V 30A +3.2V
+5V 31A +5V
GND 32A GND
P1
K1KB96A00048
GND 1B GND
+12V 2B +12V
-12V 3B -12V
+6V 4B +6V
-6V 5B -6V
ISP_TMS P3, 4, 6, 7, 9, 11, 13, 21 6B ISP_TMS
ISP_SEL7 P21-7B 7B ISP_SEL7
CH1_IN_G P21-3B 8B CH1_IN_G
CH2_IN_G P21-4B 9B CH2_IN_G
CH3_IN_G P21-5B 10B CH3_IN_G
CH4_IN_G P21-6B 11B CH4_IN_G
GND 12B GNDA
CH1_OUT_G P21-11B 13B CH1_OUT_G
CH2_OUT_G P21-12B 14B CH2_OUT_G
CH3_OUT_G P21-13B 15B CH3_OUT_G
CH4_OUT_G P21-14B 16B CH4_OUT_G
L_MONI_OUT_G P21-9B 17B L_MONI_OUT_G
R_MONI_OUT_G P21-10B 18B R_MONI_OUT_G
GND 19B GND
20B
21B
AV_CS_AUDIO_L P11-22B 22B AV_CS_AUDIO_L
AV_ADRS8 P3, 4, 5, 6, 7, 9, 11 23B AV_ADRS8
AV_ADRS5 P3, 4, 5, 6, 7, 9, 11 24B AV_ADRS5
AV_ADRS2 P3, 4, 5, 6, 7, 9, 11 25B AV_ADRS2
AV_IORD_L P3, 4, 5, 6, 7, 9, 11 26B AV_IORD_L
AV_DATA7 P3, 4, 5, 6, 7, 9, 11 27B AV_DATA7
AV_DATA4 P3, 4, 5, 6, 7, 9, 11 28B AV_DATA4
AV_DATA1 P3, 4, 5, 6, 7, 9, 11 29B AV_DATA1
+3.2V 30B +3.2V
+5V 31B +5V
GND 32B GND
P1
K1KB96A00048
GND 1C GND
+12V 2C +12V
-12V 3C -12V
+6V 4C +6V
-6V 5C -6V
ISP_TCK P3, 4, 6, 7, 9, 11, 13, 21 6C ISP_TCK
CONF_INFO P3, 4, 6, 7, 9, 11, 13 7C CONF_INFO
CH1_IN_H P21-3D 8C CH1_IN_H
CH2_IN_H P21-4D 9C CH2_IN_H
CH3_IN_H P21-5D 10C CH3_IN_H
CH4_IN_H P21-6D 11C CH4_IN_H
GND 12C GNDA
CH1_OUT_H P21-11D 13C CH1_OUT_H
CH2_OUT_H P21-12D 14C CH2_OUT_H
CH3_OUT_H P21-13D 15C CH3_OUT_H
CH4_OUT_H P21-14D 16C CH4_OUT_H
L_MONI_OUT_H P21-9D 17C L_MONI_OUT_H
R_MONI_OUT_H P21-10D 18C R_MONI_OUT_H
GND 19C GND
20C
21C
AV_ADRS10 P3, 4, 5, 6, 7, 9, 11 22C AV_ADRS10
AV_ADRS7 P3, 4, 5, 6, 7, 9, 11 23C AV_ADRS7
AV_ADRS4 P3, 4, 5, 6, 7, 9, 11 24C AV_ADRS4
AV_ADRS1 P3, 4, 5, 6, 7, 9, 11 25C AV_ADRS1
AV_IOWR_L P3, 4, 5, 6, 7, 9, 11 26C AV_IOWR_L
AV_DATA6 P3, 4, 5, 6, 7, 9, 11 27C AV_DATA6
AV_DATA3 P3, 4, 5, 6, 7, 9, 11 28C AV_DATA3
AV_DATA0 P3, 4, 5, 6, 7, 9, 11 29C AV_DATA0
+3.2V 30C +3.2V
+5V 31C +5V
GND 32C GND
P2
K1KB96A00048
GND 1A GND
2A
3A
4A
5A
CUE_IN_C P21-1C 6A CUE_IN_C
7A GND
CUE_OUT_C P21-2C 8A CUE_OUT_C
9A GND
10A
11A
12A
13A
14A
15A
16A
CUE_INS_H P16-3A 17A CUE_INS_H
CTL_ERASE_ON P16-4B 18A CTL_ERASE_ON
CUE_REC_OUT P16-7B 19A CUE_REC_OUT
GND 20A GNDA
21A
22A
23A
DASDLR P4-24A 24A DASDLR
BCK1 P4-25A 25A BCK1
CUE_MET_DATA P4-26A 26A CUE_MET_DATA
27A
28A
HP_L P20-1 29A HP_L
30A
31A
32A GND
P2
K1KB96A00048
GND 1B GND
2B
3B
4B
5B
CUE_IN_G P21-1B 6B CUE_IN_G
7B GND
CUE_OUT_G P21-2B 8B CUE_OUT_G
9B GND
10B
11B
12B
13B
14B
RPL_HSW P8-2A, P13-9B, P15-17A, P16-24A 15B RPL_HSW
16B
CUE_BIAS_ON P16-3B 17B CUE_BIAS_ON
CUE_HS_REC P16-5A 18B CUE_HS_REC
CUE_PB_GND P16-9A 19B CUE_PB_GND
20B GNDA
21B
22B
DASD12 P4-23B 23B DASD12
ADSD34 P4-24B 24B ADSD34
WCK1 P4-25B 25B WCK1
CUE_MIX_DATA P4-26B 26B CUE_MIX_DATA
27B
HP_MUTE_H P20-4 28B HP_MUTE_H
HP_R P20-3 29B HP_R
30B
31B
32B GND
P2
K1KB96A00048
GND 1C GND
2C
3C
4C
5C
CUE_IN_H P21-1D 6C CUE_IN_H
7C GND
CUE_OUT_H P21-2D 8C CUE_OUT_H
9C GND
10C
11C
12C
13C
14C
SYS_FRP P6-10B, P8-11A, P12-10C, P13-25C 15C SYS_FRP
CYL_FG+ P14-9C, P17-9B 16C CYL_FG+
CUE_ERASE_ON P16-4A 17C CUE_ERASE_ON
CUE_HS_PB P16-5B 18C CUE_HS_PB
CUE_PB_IN P16-9B 19C CUE_PB_IN
20C GND
21C
22C
DASD34 P4-23C 23C DASD34
ADSD12 P4-24C 24C ADSD12
MCK1 P4-25C 25C MCK1
26C
27C
28C
HP_GND P20-2 29C HP_GND
30C
31C
32C GND

COMPONENT NAME	MOTHER(AUDIO)	01/10
CIRCUIT BOARD NO.	DRAWING NO.	
VEP80C41A	KR0R98 (1/10) (0)	
	SCM001	

F2A (V_IN)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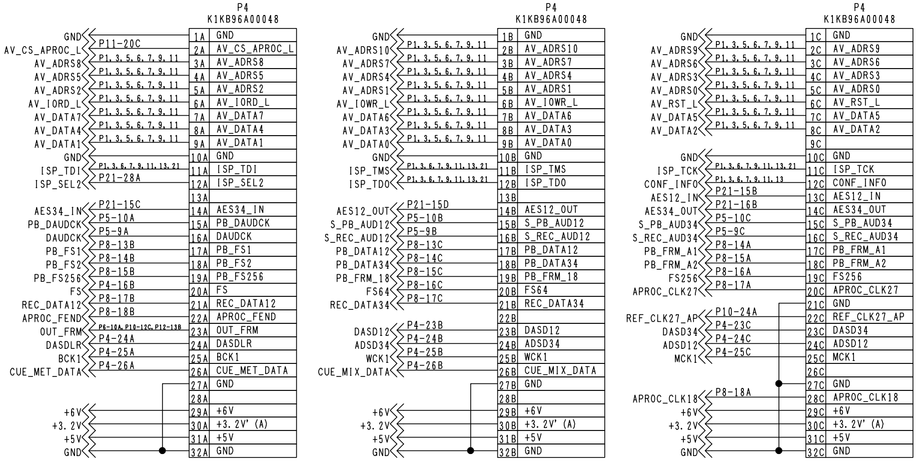
K1KB96A00048
GND 1A GND
+12V 2A +12V
-12V 3A -12V
+6V 4A +6V
-6V 5A -6V
ISP_TDI P1, 4, 6, 7, 9, 11, 13, 21 6A ISP_TDI
ISP_TDO P1, 4, 6, 7, 9, 11, 13, 21 7A ISP_TDO
8A
9A
10A
11A
AIN_L P5-12A, P7-17C 12A AIN_L
GND 13A GND
14A GND
15A
SYNC_HD P8-24C 16A SYNC_HD
GND 17A GND
INCOM_CF P5-18A, P7-18A, P9-18C 18A INCOM_CF
REC_YC0 P5-19A, P7-19A, P9-19C 19A REC_YC0
REC_YC3 P5-20A, P7-20A, P9-20C 20A REC_YC3
REC_YC6 P5-21A, P7-21A, P9-21C 21A REC_YC6
22A
AV_ADRS9 P1, 4, 5, 6, 7, 9, 11 23A AV_ADRS9
AV_ADRS6 P1, 4, 5, 6, 7, 9, 11 24A AV_ADRS6
AV_ADRS3 P1, 4, 5, 6, 7, 9, 11 25A AV_ADRS3
AV_ADRS0 P1, 4, 5, 6, 7, 9, 11 26A AV_ADRS0
AV_RST_L P1, 4, 5, 6, 7, 9, 11 27A AV_RST_L
AV_DATA5 P1, 4, 5, 6, 7, 9, 11 28A AV_DATA5
AV_DATA2 P1, 4, 5, 6, 7, 9, 11 29A AV_DATA2
+3. 2V 30A +3. 2V
+5V 31A +5V
GND 32A GND
P3
K1KB96A00048
GND 1B GND
+12V 2B +12V
-12V 3B -12V
+6V 4B +6V
-6V 5B -6V
ISP_TMS P1, 4, 6, 7, 9, 11, 13, 21 6B ISP_TMS
ISP_SEL1 P21-27D 7B ISP_SEL1
VIDEO_IN P21-24B 8B VIDEO_IN
Y_IN P21-23B 9B Y_IN
PB_IN P21-23C 10B PB_IN
PR_IN P21-23D 11B PR_IN
12B
GND 13B GND
14B
15B
16B
GND 17B GND
INCOM_FRM P5-18B, P7-18B, P9-19A 18B INCOM_FRM
REC_YC1 P5-19B, P7-19B, P9-20A 19B REC_YC1
REC_YC4 P5-20B, P7-20B, P9-21A 20B REC_YC4
REC_YC7 P5-21B, P7-21B, P9-22A 21B REC_YC7
AV_CS_VIN_L P11-22A 22B AV_CS_VIN_L
AV_ADRS8 P1, 4, 5, 6, 7, 9, 11 23B AV_ADRS8
AV_ADRS5 P1, 4, 5, 6, 7, 9, 11 24B AV_ADRS5
AV_ADRS2 P1, 4, 5, 6, 7, 9, 11 25B AV_ADRS2
AV_IORD_L P1, 4, 5, 6, 7, 9, 11 26B AV_IORD_L
AV_DATA7 P1, 4, 5, 6, 7, 9, 11 27B AV_DATA7
AV_DATA4 P1, 4, 5, 6, 7, 9, 11 28B AV_DATA4
AV_DATA1 P1, 4, 5, 6, 7, 9, 11 29B AV_DATA1
+3. 2V 30B +3. 2V
+5V 31B +5V
GND 32B GND
P3
K1KB96A00048
GND 1C GND
+12V 2C +12V
-12V 3C -12V
+6V 4C +6V
-6V 5C -6V
ISP_TCK P1, 4, 6, 7, 9, 11, 13, 21 6C ISP_TCK
CONF_INFO P1, 4, 6, 7, 9, 11, 13 7C CONF_INFO
8C
9C
10C
11C
GND 12C GND
13C GND
VBLK_CSYNC P8-24B 14C VBLK_CSYNC
15C
GND 16C GND
17C
INCOM_HD P5-18C, P7-18C, P9-19B 18C INCOM_HD
REC_YC2 P5-19C, P7-19C, P9-20B 19C REC_YC2
REC_YC5 P5-19C, P7-19C, P9-21B 20C REC_YC5
INCOM_CLK27 P7-22A 21C INCOM_CLK27
AV_ADRS10 P1, 4, 5, 6, 7, 9, 11 22C AV_ADRS10
AV_ADRS7 P1, 4, 5, 6, 7, 9, 11 23C AV_ADRS7
AV_ADRS4 P1, 4, 5, 6, 7, 9, 11 24C AV_ADRS4
AV_ADRS1 P1, 4, 5, 6, 7, 9, 11 25C AV_ADRS1
AV_IOWR_L P1, 4, 5, 6, 7, 9, 11 26C AV_IOWR_L
AV_DATA6 P1, 4, 5, 6, 7, 9, 11 27C AV_DATA6
AV_DATA3 P1, 4, 5, 6, 7, 9, 11 28C AV_DATA3
AV_DATA0 P1, 4, 5, 6, 7, 9, 11 29C AV_DATA0
+3. 2V 30C +3. 2V
+5V 31C +5V
GND 32C GND

F2B (APROC)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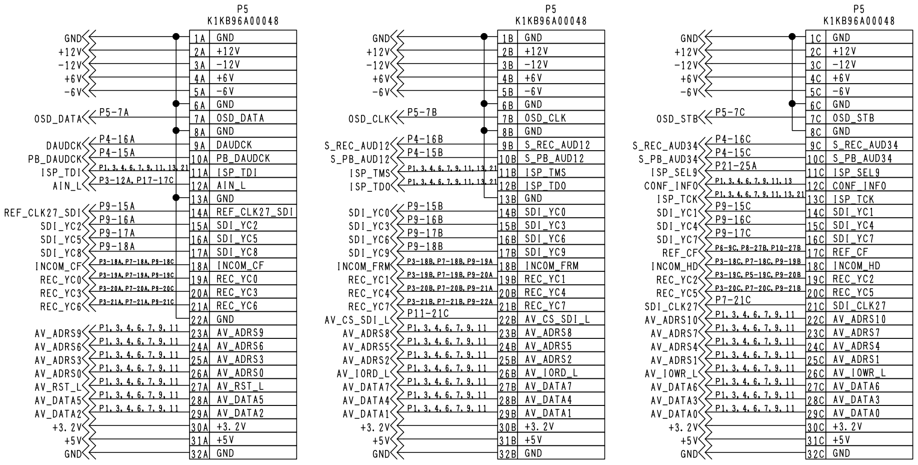
GND 1A GND
AV_CS_APROC_L P11-20C 2A AV_CS_APROC_L
AV_ADRS8 P1, 3, 5, 6, 7, 9, 11 3A AV_ADRS8
AV_ADRS5 P1, 3, 5, 6, 7, 9, 11 4A AV_ADRS5
AV_ADRS2 P1, 3, 5, 6, 7, 9, 11 5A AV_ADRS2
AV_IORD_L P1, 3, 5, 6, 7, 9, 11 6A AV_IORD_L
AV_DATA7 P1, 3, 5, 6, 7, 9, 11 7A AV_DATA7
AV_DATA4 P1, 3, 5, 6, 7, 9, 11 8A AV_DATA4
AV_DATA1 P1, 3, 5, 6, 7, 9, 11 9A AV_DATA1
GND 10A GND
ISP_TDI P1, 3, 6, 7, 9, 11, 13, 21 11A ISP_TDI
ISP_SEL2 P21-28A 12A ISP_SEL2
13A
AES34_IN P21-15C 14A AES34_IN
PB_DAUDCK P5-10A 15A PB_DAUDCK
DAUDCK P5-9A 16A DAUDCK
PB_FS1 P8-13B 17A PB_FS1
PB_FS2 P8-14B 18A PB_FS2
PB_FS256 P8-15B 19A PB_FS256
FS P4-16B 20A FS
REC_DATA12 P8-17B 21A REC_DATA12
APROC_FEND P8-18B 22A APROC_FEND
OUT_FRM P6-10A, P10-12C, P12-13B 23A OUT_FRM
DASDLR P4-24A 24A DASDLR
BCK1 P4-25A 25A BCK1
CUE_MET_DATA P4-26A 26A CUE_MET_DATA
27A GND
28A
+6V 29A +6V
+3. 2V 30A +3. 2V' (A)
+5V 31A +5V
GND 32A GND
P4
K1KB96A00048
GND 1B GND
AV_ADRS10 P1, 3, 5, 6, 7, 9, 11 2B AV_ADRS10
AV_ADRS7 P1, 3, 5, 6, 7, 9, 11 3B AV_ADRS7
AV_ADRS4 P1, 3, 5, 6, 7, 9, 11 4B AV_ADRS4
AV_ADRS1 P1, 3, 5, 6, 7, 9, 11 5B AV_ADRS1
AV_IOWR_L P1, 3, 5, 6, 7, 9, 11 6B AV_IOWR_L
AV_DATA6 P1, 3, 5, 6, 7, 9, 11 7B AV_DATA6
AV_DATA3 P1, 3, 5, 6, 7, 9, 11 8B AV_DATA3
AV_DATA0 P1, 3, 5, 6, 7, 9, 11 9B AV_DATA0
GND 10B GND
ISP_TMS P1, 3, 6, 7, 9, 11, 13, 21 11B ISP_TMS
ISP_TDO P1, 3, 6, 7, 9, 11, 13, 21 12B ISP_TDO
13B
AES12_OUT P21-15D 14B AES12_OUT
S_PB_AUD12 P5-10B 15B S_PB_AUD12
S_REC_AUD12 P5-9B 16B S_REC_AUD12
PB_DATA12 P8-13C 17B PB_DATA12
PB_DATA34 P8-14C 18B PB_DATA34
PB_FRM_18 P8-15C 19B PB_FRM_18
FS64 P8-16C 20B FS64
REC_DATA34 P8-17C 21B REC_DATA34
22B
DASD12 P4-23B 23B DASD12
ADSD34 P4-24B 24B ADSD34
WCK1 P4-25B 25B WCK1
CUE_MIX_DATA P4-26B 26B CUE_MIX_DATA
27B GND
28B
+6V 29B +6V
+3. 2V 30B +3. 2V' (A)
+5V 31B +5V
GND 32B GND
P4
K1KB96A00048
GND 1C GND
AV_ADRS9 P1, 3, 5, 6, 7, 9, 11 2C AV_ADRS9
AV_ADRS6 P1, 3, 5, 6, 7, 9, 11 3C AV_ADRS6
AV_ADRS3 P1, 3, 5, 6, 7, 9, 11 4C AV_ADRS3
AV_ADRS0 P1, 3, 5, 6, 7, 9, 11 5C AV_ADRS0
AV_RST_L P1, 3, 5, 6, 7, 9, 11 6C AV_RST_L
AV_DATA5 P1, 3, 5, 6, 7, 9, 11 7C AV_DATA5
AV_DATA2 P1, 3, 5, 6, 7, 9, 11 8C AV_DATA2
9C
GND 10C GND
ISP_TCK P1, 3, 6, 7, 9, 11, 13, 21 11C ISP_TCK
CONF_INFO P1, 3, 6, 7, 9, 11, 13 12C CONF_INFO
AES12_IN P21-15B 13C AES12_IN
AES34_OUT P21-16B 14C AES34_OUT
S_PB_AUD34 P5-10C 15C S_PB_AUD34
S_REC_AUD34 P5-9C 16C S_REC_AUD34
PB_FRM_A1 P8-14A 17C PB_FRM_A1
PB_FRM_A2 P8-15A 18C PB_FRM_A2
FS256 P8-16A 19C FS256
APROC_CLK27 P8-17A 20C APROC_CLK27
21C GND
REF_CLK27_AP P10-24A 22C REF_CLK27_AP
DASD34 P4-23C 23C DASD34
ADSD12 P4-24C 24C ADSD12
MCK1 P4-25C 25C MCK1
26C
27C GND
APROC_CLK18 P8-18A 28C APROC_CLK18
+6V 29C +6V
+3. 2V 30C +3. 2V' (A)
+5V 31C +5V
GND 32C GND

COMPONENT NAME	**MOTHER(V_IN, APROC)**	02/10
CIRCUIT BOARD NO.	DRAWING NO.	
VEP80C41A	KR0R98 (2/10) (0)	
	SCM002	

F3A (SDI)


P5
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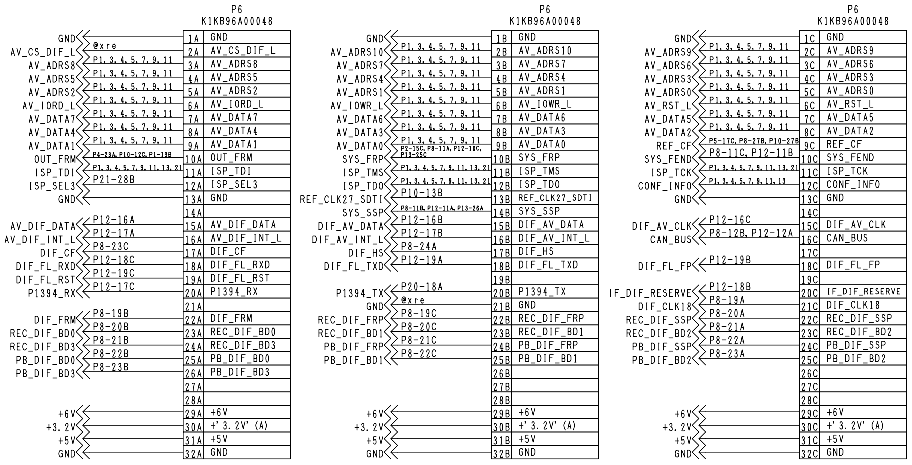
GND 1A GND
+12V 2A +12V
-12V 3A -12V
+6V 4A +6V
-6V 5A -6V
6A GND
OSD_DATA P5-7A 7A OSD_DATA
8A GND
DAUDCK P4-16A 9A DAUDCK
PB_DAUDCK P4-15A 10A PB_DAUDCK
ISP_TDI P1, 3, 4, 6, 7, 9, 11, 13, 21 11A ISP_TDI
AIN_L P3-12A, P17-17C 12A AIN_L
13A GND
REF_CLK27_SDI P9-15A 14A REF_CLK27_SDI
SDI_YC2 P9-16A 15A SDI_YC2
SDI_YC5 P9-17A 16A SDI_YC5
SDI_YC8 P9-18A 17A SDI_YC8
INCOM_CF P3-18A, P7-18A, P9-18C 18A INCOM_CF
REC_YC0 P3-19A, P7-19A, P9-19C 19A REC_YC0
REC_YC3 P3-20A, P7-20A, P9-20C 20A REC_YC3
REC_YC6 P3-21A, P7-21A, P9-21C 21A REC_YC6
22A GND
AV_ADRS9 P1, 3, 4, 6, 7, 9, 11 23A AV_ADRS9
AV_ADRS6 P1, 3, 4, 6, 7, 9, 11 24A AV_ADRS6
AV_ADRS3 P1, 3, 4, 6, 7, 9, 11 25A AV_ADRS3
AV_ADRS0 P1, 3, 4, 6, 7, 9, 11 26A AV_ADRS0
AV_RST_L P1, 3, 4, 6, 7, 9, 11 27A AV_RST_L
AV_DATA5 P1, 3, 4, 6, 7, 9, 11 28A AV_DATA5
AV_DATA2 P1, 3, 4, 6, 7, 9, 11 29A AV_DATA2
+3. 2V 30A +3. 2V
+5V 31A +5V
GND 32A GND
P5
K1KB96A00048
GND 1B GND
+12V 2B +12V
-12V 3B -12V
+6V 4B +6V
-6V 5B -6V
6B GND
OSD_CLK P5-7B 7B OSD_CLK
8B GND
S_REC_AUD12 P4-16B 9B S_REC_AUD12
S_PB_AUD12 P4-15B 10B S_PB_AUD12
ISP_TMS P1, 3, 4, 6, 7, 9, 11, 13, 21 11B ISP_TMS
ISP_TDO P1, 3, 4, 6, 7, 9, 11, 13, 21 12B ISP_TDO
13B GND
SDI_YC0 P9-15B 14B SDI_YC0
SDI_YC3 P9-16B 15B SDI_YC3
SDI_YC6 P9-17B 16B SDI_YC6
SDI_YC9 P9-18B 17B SDI_YC9
INCOM_FRM P3-18B, P7-18B, P9-19A 18B INCOM_FRM
REC_YC1 P3-19B, P7-19B, P9-20A 19B REC_YC1
REC_YC4 P3-20B, P7-20B, P9-21A 20B REC_YC4
REC_YC7 P3-21B, P7-21B, P9-22A 21B REC_YC7
AV_CS_SDI_L P11-21C 22B AV_CS_SDI_L
AV_ADRS8 P1, 3, 4, 6, 7, 9, 11 23B AV_ADRS8
AV_ADRS5 P1, 3, 4, 6, 7, 9, 11 24B AV_ADRS5
AV_ADRS2 P1, 3, 4, 6, 7, 9, 11 25B AV_ADRS2
AV_IORD_L P1, 3, 4, 6, 7, 9, 11 26B AV_IORD_L
AV_DATA7 P1, 3, 4, 6, 7, 9, 11 27B AV_DATA7
AV_DATA4 P1, 3, 4, 6, 7, 9, 11 28B AV_DATA4
AV_DATA1 P1, 3, 4, 6, 7, 9, 11 29B AV_DATA1
+3. 2V 30B +3. 2V
+5V 31B +5V
GND 32B GND
P5
K1KB96A00048
GND 1C GND
+12V 2C +12V
-12V 3C -12V
+6V 4C +6V
-6V 5C -6V
6C GND
OSD_STB P5-7C 7C OSD_STB
8C GND
S_REC_AUD34 P4-16C 9C S_REC_AUD34
S_PB_AUD34 P4-15C 10C S_PB_AUD34
ISP_SEL9 P21-25A 11C ISP_SEL9
CONF_INFO P1, 3, 4, 6, 7, 9, 11, 13 12C CONF_INFO
ISP_TCK P1, 3, 4, 6, 7, 9, 11, 13, 21 13C ISP_TCK
SDI_YC1 P9-15C 14C SDI_YC1
SDI_YC4 P9-16C 15C SDI_YC4
SDI_YC7 P9-17C 16C SDI_YC7
REF_CF P6-9C, P8-27B, P10-27B 17C REF_CF
INCOM_HD P3-18C, P7-18C, P9-19B 18C INCOM_HD
REC_YC2 P3-19C, P5-19C, P9-20B 19C REC_YC2
REC_YC5 P3-20C, P7-20C, P9-21B 20C REC_YC5
SDI_CLK27 P7-21C 21C SDI_CLK27
AV_ADRS10 P1, 3, 4, 6, 7, 9, 11 22C AV_ADRS10
AV_ADRS7 P1, 3, 4, 6, 7, 9, 11 23C AV_ADRS7
AV_ADRS4 P1, 3, 4, 6, 7, 9, 11 24C AV_ADRS4
AV_ADRS1 P1, 3, 4, 6, 7, 9, 11 25C AV_ADRS1
AV_IOWR_L P1, 3, 4, 6, 7, 9, 11 26C AV_IOWR_L
AV_DATA6 P1, 3, 4, 6, 7, 9, 11 27C AV_DATA6
AV_DATA3 P1, 3, 4, 6, 7, 9, 11 28C AV_DATA3
AV_DATA0 P1, 3, 4, 6, 7, 9, 11 29C AV_DATA0
+3. 2V 30C +3. 2V
+5V 31C +5V
GND 32C GND

F3B (SDTI)


P6
K1KB96A00048
GND 1A GND
AV_CS_DIF_L @xre 2A AV_CS_DIF_L
AV_ADRS8 P1, 3, 4, 5, 7, 9, 11 3A AV_ADRS8
AV_ADRS5 P1, 3, 4, 5, 7, 9, 11 4A AV_ADRS5
AV_ADRS2 P1, 3, 4, 5, 7, 9, 11 5A AV_ADRS2
AV_IORD_L P1, 3, 4, 5, 7, 9, 11 6A AV_IORD_L
AV_DATA7 P1, 3, 4, 5, 7, 9, 11 7A AV_DATA7
AV_DATA4 P1, 3, 4, 5, 7, 9, 11 8A AV_DATA4
AV_DATA1 P1, 3, 4, 5, 7, 9, 11 9A AV_DATA1
OUT_FRM P4-23A, P10-12C, P1-13B 10A OUT_FRM
ISP_TDI P1, 3, 4, 5, 7, 9, 11, 13, 21 11A ISP_TDI
ISP_SEL3 P21-28B 12A ISP_SEL3
GND 13A GND
14A
AV_DIF_DATA P12-16A 15A AV_DIF_DATA
AV_DIF_INT_L P12-17A 16A AV_DIF_INT_L
DIF_CF P8-23C 17A DIF_CF
DIF_FL_RXD P12-18C 18A DIF_FL_RXD
DIF_FL_RST P12-19C 19A DIF_FL_RST
P1394_RX P12-17C 20A P1394_RX
21A
DIF_FRM P8-19B 22A DIF_FRM
REC_DIF_BD0 P8-20B 23A REC_DIF_BD0
REC_DIF_BD3 P8-21B 24A REC_DIF_BD3
PB_DIF_BD0 P8-22B 25A PB_DIF_BD0
PB_DIF_BD3 P8-23B 26A PB_DIF_BD3
27A
28A
+6V 29A +6V
+3. 2V 30A +' 3. 2V' (A)
+5V 31A +5V
GND 32A GND
P6
K1KB96A00048
GND 1B GND
AV_ADRS10 P1, 3, 4, 5, 7, 9, 11 2B AV_ADRS10
AV_ADRS7 P1, 3, 4, 5, 7, 9, 11 3B AV_ADRS7
AV_ADRS4 P1, 3, 4, 5, 7, 9, 11 4B AV_ADRS4
AV_ADRS1 P1, 3, 4, 5, 7, 9, 11 5B AV_ADRS1
AV_IOWR_L P1, 3, 4, 5, 7, 9, 11 6B AV_IOWR_L
AV_DATA6 P1, 3, 4, 5, 7, 9, 11 7B AV_DATA6
AV_DATA3 P1, 3, 4, 5, 7, 9, 11 8B AV_DATA3
AV_DATA0 P1, 3, 4, 5, 7, 9, 11 9B AV_DATA0
SYS_FRP P2-15C, P8-11A, P12-10C, P13-25C 10B SYS_FRP
ISP_TMS P1, 3, 4, 5, 7, 9, 11, 13, 21 11B ISP_TMS
ISP_TDO P1, 3, 4, 5, 7, 9, 11, 13, 21 12B ISP_TDO
REF_CLK27_SDTI P10-13B 13B REF_CLK27_SDTI
SYS_SSP P8-11B, P12-11A, P13-26A 14B SYS_SSP
DIF_AV_DATA P12-16B 15B DIF_AV_DATA
DIF_AV_INT_L P12-17B 16B DIF_AV_INT_L
DIF_HS P8-24A 17B DIF_HS
DIF_FL_TXD P12-19A 18B DIF_FL_TXD
19B
P1394_TX P20-18A 20B P1394_TX
GND @xre 21B GND
REC_DIF_FRP P8-19C 22B REC_DIF_FRP
REC_DIF_BD1 P8-20C 23B REC_DIF_BD1
PB_DIF_FRP P8-21C 24B PB_DIF_FRP
PB_DIF_BD1 P8-22C 25B PB_DIF_BD1
26B
27B
28B
+6V 29B +6V
+3. 2V 30B +' 3. 2V' (A)
+5V 31B +5V
GND 32B GND
P6
K1KB96A00048
GND 1C GND
AV_ADRS9 P1, 3, 4, 5, 7, 9, 11 2C AV_ADRS9
AV_ADRS6 P1, 3, 4, 5, 7, 9, 11 3C AV_ADRS6
AV_ADRS3 P1, 3, 4, 5, 7, 9, 11 4C AV_ADRS3
AV_ADRS0 P1, 3, 4, 5, 7, 9, 11 5C AV_ADRS0
AV_RST_L P1, 3, 4, 5, 7, 9, 11 6C AV_RST_L
AV_DATA5 P1, 3, 4, 5, 7, 9, 11 7C AV_DATA5
AV_DATA2 P1, 3, 4, 5, 7, 9, 11 8C AV_DATA2
REF_CF P5-17C, P8-27B, P10-27B 9C REF_CF
SYS_FEND P8-11C, P12-11B 10C SYS_FEND
ISP_TCK P1, 3, 4, 5, 7, 9, 11, 13, 21 11C ISP_TCK
CONF_INFO P1, 3, 4, 5, 7, 9, 11, 13 12C CONF_INFO
GND 13C GND
14C
DIF_AV_CLK P12-16C 15C DIF_AV_CLK
CAN_BUS P8-12B, P12-12A 16C CAN_BUS
17C
DIF_FL_FP P12-19B 18C DIF_FL_FP
19C
IF_DIF_RESERVE P12-18B 20C IF_DIF_RESERVE
DIF_CLK18 P8-19A 21C DIF_CLK18
REC_DIF_SSP P8-20A 22C REC_DIF_SSP
REC_DIF_BD2 P8-21A 23C REC_DIF_BD2
PB_DIF_SSP P8-22A 24C PB_DIF_SSP
PB_DIF_BD2 P8-23A 25C PB_DIF_BD2
26C
27C
28C
+6V 29C +6V
+3. 2V 30C +' 3. 2V' (A)
+5V 31C +5V
GND 32C GND

COMPONENT NAME	**MOTHER(SDI, SDTI)**		03/10
CIRCUIT BOARD NO.		DRAWING NO.	
VEP80C41A		KR0R98 (3/10) (0)	
		SCM003	

F4 (RECPB)

P7
K1KB96A00048

GND		1A	GND
+12V		2A	+12V
-12V		3A	-12V
+6V		4A	+6V
-6V		5A	-6V
ISP_TDI	P1, 3, 4, 6, 9, 11, 13, 21	6A	ISP_TDI
ISP_TDO	P1, 3, 4, 6, 9, 11, 13, 21	7A	ISP_TDO
REC_CLK_N	P15-8A	8A	REC_CLK_N
REC_CLK_P	P15-9A	9A	REC_CLK_P
RPL_CLK_P	P15-10A	10A	RPL_CLK_P
RPL_CLK_N	P15-11A	11A	RPL_CLK_N
PBL_DAT_P	P15-12A	12A	PBL_DAT_P
PBL_DAT_N	P15-13A	13A	PBL_DAT_N
PBR_CLK_P	P15-14A	14A	PBR_CLK_P
PBR_CLK_N	P15-15A	15A	PBR_CLK_N
RECTRL_1	P16-21B	16A	RECTRL_1
RECCTRL_RPL	P15-16B, P16-23A	17A	RECCTRL_RPL
INCOM_CF	P3-18A, P5-18A, P9-18C	18A	INCOM_CF
REC_YC0	P3-19A, P7-19A, P9-19C	19A	REC_YC0
REC_YC3	P3-20A, P5-20A, P9-20C	20A	REC_YC3
REC_YC6	P3-21A, P5-21A, P9-21C	21A	REC_YC6
INCOM_CLK27	P7-22A	22A	INCOM_CLK27
AV_ADRS9	P1, 3, 4, 5, 6, 9, 11	23A	AV_ADRS9
AV_ADRS6	P1, 3, 4, 5, 6, 9, 11	24A	AV_ADRS6
AV_ADRS3	P1, 3, 4, 5, 6, 9, 11	25A	AV_ADRS3
AV_ADRS0	P1, 3, 4, 5, 6, 9, 11	26A	AV_ADRS0
AV_RST_L	P1, 3, 4, 5, 6, 9, 11	27A	AV_RST_L
AV_DATA5	P1, 3, 4, 5, 6, 9, 11	28A	AV_DATA5
AV_DATA2	P1, 3, 4, 5, 6, 9, 11	29A	AV_DATA2
+3. 2VA		30A	+3. 2V
+5V		31A	+5V
GND		32A	GND

P7
K1KB96A00048

GND		1B	GND
+12V		2B	+12V
-12V		3B	-12V
+6V		4B	+6V
-6V		5B	-6V
ISP_TMS	P1, 3, 4, 6, 9, 11, 13, 21	6B	ISP_TMS
ISP_SEL4	P21-28C	7B	ISP_SEL4
REC_RPL_DAT_N	P15-8B	8B	REC_RPL_DAT_N
REC_RPR_DAT_P	P15-8C	9B	REC_RPR_DAT_P
RPL_DAT_P	P15-10B	10B	RPL_DAT_P
RPR_DAT_N	P15-11B	11B	RPR_DAT_N
RPR_CLK_P	P15-12B	12B	RPR_CLK_P
PBL_CLK_N	P15-13B	13B	PBL_CLK_N
PBR_DAT_P	P15-14B	14B	PBR_DAT_P
GND		15B	GND
RECTRL_2	P16-22A	16B	RECTRL_2
RECCTRL_RPR	P15-16C, P16-23B	17B	RECCTRL_RPR
INCOM_FRM	P3-18B, P5-18B, P9-19A	18B	INCOM_FRM
REC_YC1	P3-19B, P5-19B, P9-20A	19B	REC_YC1
REC_YC4	P3-20B, P5-20B, P9-21A	20B	REC_YC4
REC_YC7	P3-21B, P5-21B, P9-22A	21B	REC_YC7
AV_CS_RECPB_L	P11-21B	22B	AV_CS_RECPB_L
AV_ADRS8	P1, 3, 4, 5, 6, 9, 11	23B	AV_ADRS8
AV_ADRS5	P1, 3, 4, 5, 6, 9, 11	24B	AV_ADRS5
AV_ADRS2	P1, 3, 4, 5, 6, 9, 11	25B	AV_ADRS2
AV_IORD_L	P1, 3, 4, 5, 6, 9, 11	26B	AV_IORD_L
AV_DATA7	P1, 3, 4, 5, 6, 9, 11	27B	AV_DATA7
AV_DATA4	P1, 3, 4, 5, 6, 9, 11	28B	AV_DATA4
AV_DATA1	P1, 3, 4, 5, 6, 9, 11	29B	AV_DATA1
+3. 2VA		30B	+3. 2V
+5V		31B	+5V
GND		32B	GND

P7
K1KB96A00048

GND		1C	GND
+12V		2C	+12V
-12V		3C	-12V
+6V		4C	+6V
-6V		5C	-6V
ISP_TCK	P1, 3, 4, 6, 9, 11, 13, 21	6C	ISP_TCK
CONF_INFO	P1, 3, 4, 6, 9, 11, 13	7C	CONF_INFO
REC_RPL_DAT_P	P15-8C	8C	REC_RPL_DAT_P
REC_RPR_DAT_N	P15-8B	9C	REC_RPR_DAT_N
RPL_DAT_N	P15-10C	10C	RPL_DAT_N
RPR_DAT_P	P15-11C	11C	RPR_DAT_P
RPR_CLK_N	P15-12C	12C	RPR_CLK_N
PBL_CLK_P	P15-13C	13C	PBL_CLK_P
PBR_DAT_N	P15-14C	14C	PBR_DAT_N
RECTRL_0	P16-21A	15C	RECTRL_0
RECTRL_3	P16-22B	16C	RECTRL_3
AIN_L	P3-12A, P5-12A	17C	AIN_L
INCOM_HD	P3-18C, P5-18C, P9-19B	18C	INCOM_HD
REC_YC2	P3-19C, P5-19C, P9-20B	19C	REC_YC2
REC_YC5	P3-20C, P5-20C, P9-21B	20C	REC_YC5
SDI_CLK27	P7-21C	21C	SDI_CLK27
AV_ADRS10	P1, 3, 4, 5, 6, 9, 11	22C	AV_ADRS10
AV_ADRS7	P1, 3, 4, 5, 6, 9, 11	23C	AV_ADRS7
AV_ADRS4	P1, 3, 4, 5, 6, 9, 11	24C	AV_ADRS4
AV_ADRS1	P1, 3, 4, 5, 6, 9, 11	25C	AV_ADRS1
AV_IOWR_L	P1, 3, 4, 5, 6, 9, 11	26C	AV_IOWR_L
AV_DATA6	P1, 3, 4, 5, 6, 9, 11	27C	AV_DATA6
AV_DATA3	P1, 3, 4, 5, 6, 9, 11	28C	AV_DATA3
AV_DATA0	P1, 3, 4, 5, 6, 9, 11	29C	AV_DATA0
+3. 2VA		30C	+3. 2V
+5V		31C	+5V
GND		32C	GND

P8
K1KB96A00048

GND		1A	GND
RPL_HSW	P2-15B, P13-9B, P15-17A, P16-24A	2A	RPL_HSW
PBR_HSW	P13-9B, P15-16A, P16-25B	3A	PBR_HSW
FPS0	P13-11B	4A	FPS0
REC_SPA	P13-12C, P15-15C	5A	REC_SPA
TRP1	P13-13C	6A	TRP1
LIN_H	P13-14C	7A	LIN_H
TAPE_REV_H	P13-16B	8A	TAPE_REV_H
DV_FL_RXD	P12-8C	9A	DV_FL_RXD
DV_FL_RST	P12-9C	10A	DV_FL_RST
SYS_FRP	P2-15C, P6-10B, P12-10C, P13-25C	11A	SYS_FRP
FM_FLAG	P12-11C	12A	FM_FLAG
DV_AV_INT_L	P12-12B	13A	DV_AV_INT_L
PB_FRM_A1	P4-17C	14A	PB_FRM_A1
PB_FRM_A2	P4-18C	15A	PB_FRM_A2
FS256	P4-19C	16A	FS256
APROC_CLK27	P4-20C	17A	APROC_CLK27
APROC_CLK18	P4-21C	18A	APROC_CLK18
DIF_CLK18	P6-21C	19A	DIF_CLK18
REC_DIF_SSP	P6-22C	20A	REC_DIF_SSP
REC_DIF_BD2	P6-23C	21A	REC_DIF_BD2
PB_DIF_SSP	P6-24C	22A	PB_DIF_SSP
PB_DIF_BD2	P6-25C	23A	PB_DIF_BD2
DIF_HS	P6-17B	24A	DIF_HS
EE_CLK27	P10-7A	25A	EE_CLK27
EE_HD	P10-6C	26A	EE_HD
REF_CLK27_RP	P10-27A	27A	REF_CLK27_RP
REF_HD	P10-28A	28A	REF_HD
PB_CLK27	P10-29A	29A	PB_CLK27
PB_YC2	P10-30A	30A	PB_YC2
PB_YC5	P10-31A	31A	PB_YC5
GND		32A	GND

P8
K1KB96A00048

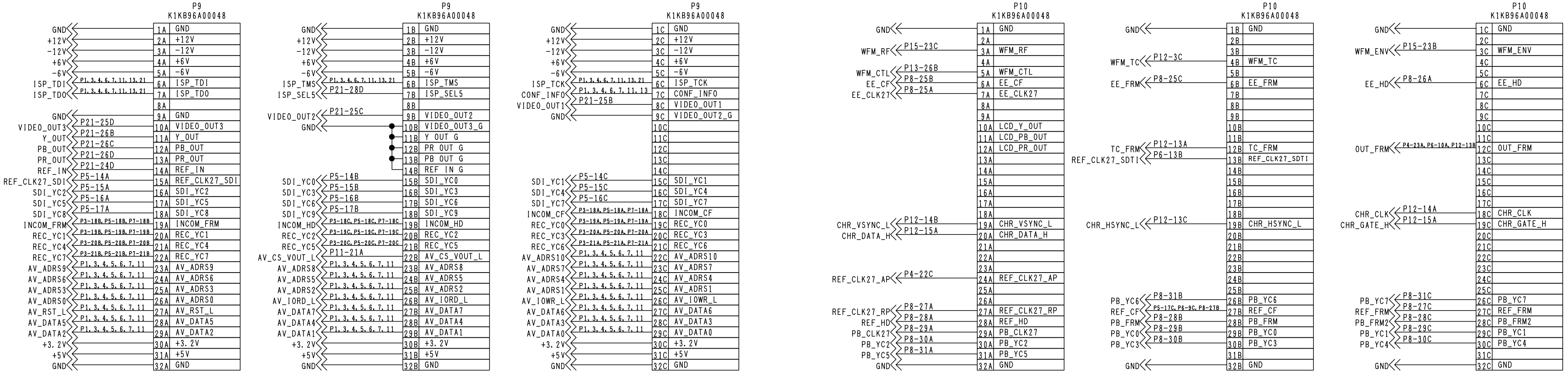
GND		1B	GND
RPR_HSW	P13-9C, P15-17C, P16-24B	2B	RPR_HSW
FLUSH	P13-10C	3B	FLUSH
FPS1	P13-11C	4B	FPS1
CUEREV_H	P13-13A	5B	CUEREV_H
TRP2	P13-14A	6B	TRP2
TSR	P13-15A	7B	TSR
CW_TRACK_DET	P13-21C	8B	CW_TRACK_DET
DV_FL_TXD	P12-9A	9B	DV_FL_TXD
		10B	
SYS_SSP	P6-14B, P12-11A, P13-26A	11B	SYS_SSP
CAN_BUS	P6-16C, P12-12A	12B	CAN_BUS
PB_FS1	P4-17A	13B	PB_FS1
PB_FS2	P4-18A	14B	PB_FS2
PB_FS256	P4-19A	15B	PB_FS256
FS	P4-20A	16B	FS
REC_DATA12	P4-21A	17B	REC_DATA12
APROC_FEND	P4-22A	18B	APROC_FEND
DIF_FRM	P6-22A	19B	DIF_FRM
REC_DIF_BD0	P6-23A	20B	REC_DIF_BD0
REC_DIF_BD3	P6-24A	21B	REC_DIF_BD3
PB_DIF_BD0	P6-25A	22B	PB_DIF_BD0
PB_DIF_BD3	P6-25C	23B	PB_DIF_BD3
VBLK_CSYNC	P3-14C	24B	VBLK_CSYNC
EE_CF	P10-6A	25B	EE_CF
PB_YC6	P10-31B	26B	PB_YC6
REF_CF	P5-17C, P6-9C, P10-27B	27B	REF_CF
PB_FRM	P10-28B	28B	PB_FRM
PB_YC0	P10-29B	29B	PB_YC0
PB_YC3	P10-30B	30B	PB_YC3
		31B	
GND		32B	GND

P8
K1KB96A00048

GND		1C	GND
PBL_HSW	P13-10A, P15-17B, P16-25A	2C	PBL_HSW
FEND	P13-11A	3C	FEND
SLOW_H	P13-12B	4C	SLOW_H
TRP0	P13-13B	5C	TRP0
TRP3	P13-14B	6C	TRP3
SV_DV_TXD	P13-15B	7C	SV_DV_TXD
		8C	
DV_FL_FP	P12-9B	9C	DV_FL_FP
SYS_CLK18	P12-10B	10C	SYS_CLK18
SYS_FEND	P6-10C, P12-11B	11C	SYS_FEND
AV_DV_INT_L	P12-12C	12C	AV_DV_INT_L
PB_DATA12	P4-17B	13C	PB_DATA12
PB_DATA34	P4-18B	14C	PB_DATA34
PB_FRM_18	P4-19B	15C	PB_FRM_18
FS64	P4-20B	16C	FS64
REC_DATA34	P4-21B	17C	REC_DATA34
		18C	
REC_DIF_FRP	P6-22B	19C	REC_DIF_FRP
REC_DIF_BD1	P6-23B	20C	REC_DIF_BD1
PB_DIF_FRP	P6-24B	21C	PB_DIF_FRP
PB_DIF_BD1	P6-25B	22C	PB_DIF_BD1
DIF_CF	P6-17A	23C	DIF_CF
SYNC_HD	P3-16A	24C	SYNC_HD
EE_FRM	P10-6B	25C	EE_FRM
PB_YC7	P10-31C	26C	PB_YC7
REF_FRM	P10-27C	27C	REF_FRM
PB_FRM2	P10-28C	28C	PB_FRM2
PB_YC1	P10-29C	29C	PB_YC1
PB_YC4	P10-30C	30C	PB_YC4
		31C	
GND		32C	GND

COMPONENT NAME	**MOTHER(RECPB)**	04/10
CIRCUIT BOARD NO.	DRAWING NO.	
VEP80C41A	KR0R98 (4/10) (0)	
	SCM004	

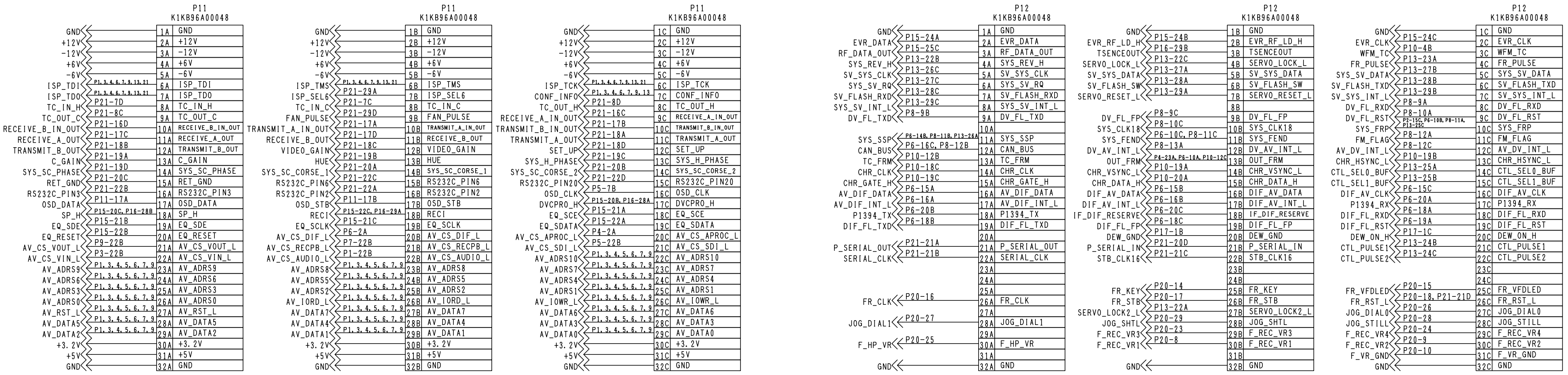
F5 (VOUT)


P9 K1KB96A00048
1A GND — GND
2A +12V — +12V
3A -12V — -12V
4A +6V — +6V
5A -6V — -6V
6A ISP_TDI — ISP_TDI P1,3,4,6,7,11,13,21
7A ISP_TDO — ISP_TDO P1,3,4,6,7,11,13,21
8A
9A GND — GND
10A VIDEO_OUT3 — VIDEO_OUT3 P21-25D
11A Y_OUT — Y_OUT P21-26B
12A PB_OUT — PB_OUT P21-26C
13A PR_OUT — PR_OUT P21-26D
14A REF_IN — REF_IN P21-24D
15A REF_CLK27_SDI — REF_CLK27_SDI P5-14A
16A SDI_YC2 — SDI_YC2 P5-15A
17A SDI_YC5 — SDI_YC5 P5-16A
18A SDI_YC8 — SDI_YC8 P5-17A
19A INCOM_FRM — INCOM_FRM P3-18B, P5-18B, P7-18B
20A REC_YC1 — REC_YC1 P3-19B, P5-19B, P7-19B
21A REC_YC4 — REC_YC4 P3-20B, P5-20B, P7-20B
22A REC_YC7 — REC_YC7 P3-21B, P5-21B, P7-21B
23A AV_ADRS9 — AV_ADRS9 P1,3,4,5,6,7,11
24A AV_ADRS6 — AV_ADRS6 P1,3,4,5,6,7,11
25A AV_ADRS3 — AV_ADRS3 P1,3,4,5,6,7,11
26A AV_ADRS0 — AV_ADRS0 P1,3,4,5,6,7,11
27A AV_RST_L — AV_RST_L P1,3,4,5,6,7,11
28A AV_DATA5 — AV_DATA5 P1,3,4,5,6,7,11
29A AV_DATA2 — AV_DATA2 P1,3,4,5,6,7,11
30A +3.2V — +3.2V
31A +5V — +5V
32A GND — GND
P9 K1KB96A00048
1B GND — GND
2B +12V — +12V
3B -12V — -12V
4B +6V — +6V
5B -6V — -6V
6B ISP_TMS — ISP_TMS P1,3,4,6,7,11,13,21
7B ISP_SEL5 — ISP_SEL5 P21-28D
8B
9B VIDEO_OUT2 — VIDEO_OUT2 P21-25C
10B VIDEO_OUT3_G — GND
11B Y OUT G
12B PR OUT G
13B PB OUT G
14B REF IN G
15B SDI_YC0 — SDI_YC0 P5-14B
16B SDI_YC3 — SDI_YC3 P5-15B
17B SDI_YC6 — SDI_YC6 P5-16B
18B SDI_YC9 — SDI_YC9 P5-17B
19B INCOM_HD — INCOM_HD P3-18C, P5-18C, P7-18C
20B REC_YC2 — REC_YC2 P3-19C, P5-19C, P7-19C
21B REC_YC5 — REC_YC5 P3-20C, P5-20C, P7-20C
22B AV_CS_VOUT_L — AV_CS_VOUT_L P11-21A
23B AV_ADRS8 — AV_ADRS8 P1,3,4,5,6,7,11
24B AV_ADRS5 — AV_ADRS5 P1,3,4,5,6,7,11
25B AV_ADRS2 — AV_ADRS2 P1,3,4,5,6,7,11
26B AV_IORD_L — AV_IORD_L P1,3,4,5,6,7,11
27B AV_DATA7 — AV_DATA7 P1,3,4,5,6,7,11
28B AV_DATA4 — AV_DATA4 P1,3,4,5,6,7,11
29B AV_DATA1 — AV_DATA1 P1,3,4,5,6,7,11
30B +3.2V — +3.2V
31B +5V — +5V
32B GND — GND
P9 K1KB96A00048
1C GND — GND
2C +12V — +12V
3C -12V — -12V
4C +6V — +6V
5C -6V — -6V
6C ISP_TCK — ISP_TCK P1,3,4,6,7,11,13,21
7C CONF_INFO — CONF_INFO P1,3,4,6,7,11,13
8C VIDEO_OUT1 — VIDEO_OUT1 P21-25B
9C VIDEO_OUT2_G — GND
10C
11C
12C
13C
14C
15C SDI_YC1 — SDI_YC1 P5-14C
16C SDI_YC4 — SDI_YC4 P5-15C
17C SDI_YC7 — SDI_YC7 P5-16C
18C INCOM_CF — INCOM_CF P3-18A, P5-18A, P7-18A
19C REC_YC0 — REC_YC0 P3-19A, P5-19A, P7-19A
20C REC_YC3 — REC_YC3 P3-20A, P5-20A, P7-20A
21C REC_YC6 — REC_YC6 P3-21A, P5-21A, P7-21A
22C AV_ADRS10 — AV_ADRS10 P1,3,4,5,6,7,11
23C AV_ADRS7 — AV_ADRS7 P1,3,4,5,6,7,11
24C AV_ADRS4 — AV_ADRS4 P1,3,4,5,6,7,11
25C AV_ADRS1 — AV_ADRS1 P1,3,4,5,6,7,11
26C AV_IOWR_L — AV_IOWR_L P1,3,4,5,6,7,11
27C AV_DATA6 — AV_DATA6 P1,3,4,5,6,7,11
28C AV_DATA3 — AV_DATA3 P1,3,4,5,6,7,11
29C AV_DATA0 — AV_DATA0 P1,3,4,5,6,7,11
30C +3.2V — +3.2V
31C +5V — +5V
32C GND — GND
P10 K1KB96A00048
1A GND — GND
2A
3A WFM_RF — WFM_RF P15-23C
4A
5A WFM_CTL — WFM_CTL P13-26B
6A EE_CF — EE_CF P8-25B
7A EE_CLK27 — EE_CLK27 P8-25A
8A
9A
10A LCD_Y_OUT
11A LCD_PB_OUT
12A LCD_PR_OUT
13A
14A
15A
16A
17A
18A
19A CHR_VSYNC_L — CHR_VSYNC_L P12-14B
20A CHR_DATA_H — CHR_DATA_H P12-15A
21A
22A
23A
24A REF_CLK27_AP — REF_CLK27_AP P4-22C
25A
26A
27A REF_CLK27_RP — REF_CLK27_RP P8-27A
28A REF_HD — REF_HD P8-28A
29A PB_CLK27 — PB_CLK27 P8-29A
30A PB_YC2 — PB_YC2 P8-30A
31A PB_YC5 — PB_YC5 P8-31A
32A GND — GND
P10 K1KB96A00048
1B GND — GND
2B
3B
4B WFM_TC — WFM_TC P12-3C
5B
6B EE_FRM — EE_FRM P8-25C
7B
8B
9B
10B
11B
12B TC_FRM — TC_FRM P12-13A
13B REF_CLK27_SDTI — REF_CLK27_SDTI P6-13B
14B
15B
16B
17B
18B
19B CHR_HSYNC_L — CHR_HSYNC_L P12-13C
20B
21B
22B
23B
24B
25B
26B PB_YC6 — PB_YC6 P8-31B
27B REF_CF — REF_CF P5-17C, P6-9C, P8-27B
28B PB_FRM — PB_FRM P8-28B
29B PB_YC0 — PB_YC0 P8-29B
30B PB_YC3 — PB_YC3 P8-30B
31B
32B GND — GND
P10 K1KB96A00048
1C GND — GND
2C
3C WFM_ENV — WFM_ENV P15-23B
4C
5C
6C EE_HD — EE_HD P8-26A
7C
8C
9C
10C
11C
12C OUT_FRM — OUT_FRM P4-23A, P6-10A, P12-13B
13C
14C
15C
16C
17C
18C CHR_CLK — CHR_CLK P12-14A
19C CHR_GATE_H — CHR_GATE_H P12-15A
20C
21C
22C
23C
24C
25C
26C PB_YC7 — PB_YC7 P8-31C
27C REF_FRM — REF_FRM P8-27C
28C PB_FRM2 — PB_FRM2 P8-28C
29C PB_YC1 — PB_YC1 P8-29C
30C PB_YC4 — PB_YC4 P8-30C
31C
32C GND — GND

COMPONENT NAME	MOTHER(VOUT)	05/10

CIRCUIT BOARD NO.	DRAWING NO.
VEP80C41A	KR0R98 (5/10) (0)
	SCM005

F6 (SYSCON)

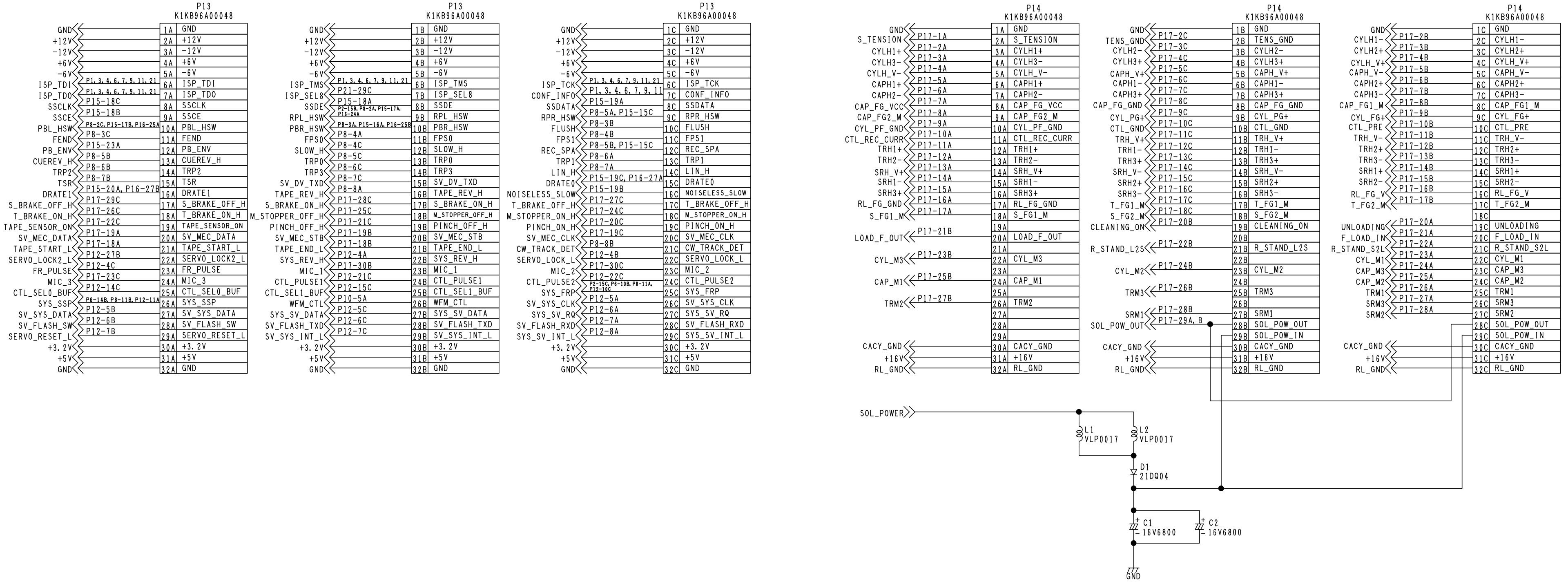

P11
K1KB96A00048
GND 1A GND
+12V 2A +12V
-12V 3A -12V
+6V 4A +6V
-6V 5A -6V
ISP_TDI P1, 3, 4, 6, 7, 9, 13, 21 6A ISP_TDI
ISP_TDO P1, 3, 4, 6, 7, 9, 13, 21 7A ISP_TDO
TC_IN_H P21-7D 8A TC_IN_H
TC_OUT_C P21-8C 9A TC_OUT_C
RECEIVE_B_IN_OUT P21-16D 10A RECEIVE_B_IN_OUT
RECEIVE_A_OUT P21-17C 11A RECEIVE_A_OUT
TRANSMIT_B_OUT P21-18B 12A TRANSMIT_B_OUT
C_GAIN P21-19A 13A C_GAIN
SYS_SC_PHASE P21-19D 14A SYS_SC_PHASE
RET_GND P21-20C 15A RET_GND
RS232C_PIN3 P21-22B 16A RS232C_PIN3
OSD_DATA P11-17A 17A OSD_DATA
SP_H P15-20C, P16-28B 18A SP_H
EQ_SDE P15-21B 19A EQ_SDE
EQ_RESET P15-22B 20A EQ_RESET
AV_CS_VOUT_L P9-22B 21A AV_CS_VOUT_L
AV_CS_VIN_L P3-22B 22A AV_CS_VIN_L
AV_ADRS9 P1, 3, 4, 5, 6, 7, 9 23A AV_ADRS9
AV_ADRS6 P1, 3, 4, 5, 6, 7, 9 24A AV_ADRS6
AV_ADRS3 P1, 3, 4, 5, 6, 7, 9 25A AV_ADRS3
AV_ADRS0 P1, 3, 4, 5, 6, 7, 9 26A AV_ADRS0
AV_RST_L P1, 3, 4, 5, 6, 7, 9 27A AV_RST_L
AV_DATA5 P1, 3, 4, 5, 6, 7, 9 28A AV_DATA5
AV_DATA2 P1, 3, 4, 5, 6, 7, 9 29A AV_DATA2
+3. 2V 30A +3. 2V
+5V 31A +5V
GND 32A GND
P11
K1KB96A00048
GND 1B GND
+12V 2B +12V
-12V 3B -12V
+6V 4B +6V
-6V 5B -6V
ISP_TMS P1, 3, 4, 6, 7, 9, 13, 21 6B ISP_TMS
ISP_SEL6 P21-29A 7B ISP_SEL6
TC_IN_C P21-7C 8B TC_IN_C
FAN_PULSE P21-29D 9B FAN_PULSE
TRANSMIT_A_IN_OUT P21-17A 10B TRANSMIT_A_IN_OUT
RECEIVE_B_OUT P21-17D 11B RECEIVE_B_OUT
VIDEO_GAIN P21-18C 12B VIDEO_GAIN
HUE P21-19B 13B HUE
SYS_SC_CORSE_1 P21-20A 14B SYS_SC_CORSE_1
RS232C_PIN6 P21-22C 15B RS232C_PIN6
RS232C_PIN2 P21-22A 16B RS232C_PIN2
OSD_STB P11-17B 17B OSD_STB
RECI P15-22C, P16-29A 18B RECI
EQ_SCLK P15-21C 19B EQ_SCLK
AV_CS_DIF_L P6-2A 20B AV_CS_DIF_L
AV_CS_RECPB_L P7-22B 21B AV_CS_RECPB_L
AV_CS_AUDIO_L P1-22B 22B AV_CS_AUDIO_L
AV_ADRS8 P1, 3, 4, 5, 6, 7, 9 23B AV_ADRS8
AV_ADRS5 P1, 3, 4, 5, 6, 7, 9 24B AV_ADRS5
AV_ADRS2 P1, 3, 4, 5, 6, 7, 9 25B AV_ADRS2
AV_IORD_L P1, 3, 4, 5, 6, 7, 9 26B AV_IORD_L
AV_DATA7 P1, 3, 4, 5, 6, 7, 9 27B AV_DATA7
AV_DATA4 P1, 3, 4, 5, 6, 7, 9 28B AV_DATA4
AV_DATA1 P1, 3, 4, 5, 6, 7, 9 29B AV_DATA1
+3. 2V 30B +3. 2V
+5V 31B +5V
GND 32B GND
P11
K1KB96A00048
GND 1C GND
+12V 2C +12V
-12V 3C -12V
+6V 4C +6V
-6V 5C -6V
ISP_TCK P1, 3, 4, 6, 7, 9, 13, 21 6C ISP_TCK
CONF_INFO P1, 3, 4, 6, 7, 9, 13 7C CONF_INFO
TC_OUT_H P21-8D 8C TC_OUT_H
RECEIVE_A_IN_OUT P21-16C 9C RECEIVE_A_IN_OUT
TRANSMIT_B_IN_OUT P21-17B 10C TRANSMIT_B_IN_OUT
TRANSMIT_A_OUT P21-18A 11C TRANSMIT_A_OUT
SET_UP P21-18D 12C SET_UP
SYS_H_PHASE P21-19C 13C SYS_H_PHASE
SYS_SC_CORSE_2 P21-20B 14C SYS_SC_CORSE_2
RS232C_PIN20 P21-22D 15C RS232C_PIN20
OSD_CLK P5-7B 16C OSD_CLK
DVCPRO_H P15-20B, P16-28A 17C DVCPRO_H
EQ_SCE P15-21A 18C EQ_SCE
EQ_SDATA P15-22A 19C EQ_SDATA
AV_CS_APROC_L P4-2A 20C AV_CS_APROC_L
AV_CS_SDI_L P5-22B 21C AV_CS_SDI_L
AV_ADRS10 P1, 3, 4, 5, 6, 7, 9 22C AV_ADRS10
AV_ADRS7 P1, 3, 4, 5, 6, 7, 9 23C AV_ADRS7
AV_ADRS4 P1, 3, 4, 5, 6, 7, 9 24C AV_ADRS4
AV_ADRS1 P1, 3, 4, 5, 6, 7, 9 25C AV_ADRS1
AV_IOWR_L P1, 3, 4, 5, 6, 7, 9 26C AV_IOWR_L
AV_DATA6 P1, 3, 4, 5, 6, 7, 9 27C AV_DATA6
AV_DATA3 P1, 3, 4, 5, 6, 7, 9 28C AV_DATA3
AV_DATA0 P1, 3, 4, 5, 6, 7, 9 29C AV_DATA0
+3. 2V 30C +3. 2V
+5V 31C +5V
GND 32C GND
P12
K1KB96A00048
GND 1A GND
EVR_DATA P15-24A 2A EVR_DATA
RF_DATA_OUT P15-25C 3A RF_DATA_OUT
SYS_REV_H P13-22B 4A SYS_REV_H
SV_SYS_CLK P13-26C 5A SV_SYS_CLK
SYS_SV_RQ P13-27C 6A SYS_SV_RQ
SV_FLASH_RXD P13-28C 7A SV_FLASH_RXD
SYS_SV_INT_L P13-29C 8A SYS_SV_INT_L
DV_FL_TXD P8-9B 9A DV_FL_TXD
10A
SYS_SSP P6-14B, P8-11B, P13-26A 11A SYS_SSP
CAN_BUS P6-16C, P8-12B 12A CAN_BUS
TC_FRM P10-12B 13A TC_FRM
CHR_CLK P10-18C 14A CHR_CLK
CHR_GATE_H P10-19C 15A CHR_GATE_H
AV_DIF_DATA P6-15A 16A AV_DIF_DATA
AV_DIF_INT_L P6-16A 17A AV_DIF_INT_L
P1394_TX P6-20B 18A P1394_TX
DIF_FL_TXD P6-18B 19A DIF_FL_TXD
20A
P_SERIAL_OUT P21-21A 21A P_SERIAL_OUT
SERIAL_CLK P21-21B 22A SERIAL_CLK
23A
24A
25A
FR_CLK P20-16 26A FR_CLK
27A
JOG_DIAL1 P20-27 28A JOG_DIAL1
29A
F_HP_VR P20-25 30A F_HP_VR
31A
GND 32A GND
P12
K1KB96A00048
GND 1B GND
EVR_RF_LD_H P15-24B 2B EVR_RF_LD_H
TSENCEOUT P16-29B 3B TSENCEOUT
SERVO_LOCK_L P13-22C 4B SERVO_LOCK_L
SV_SYS_DATA P13-27A 5B SV_SYS_DATA
SV_FLASH_SW P13-28A 6B SV_FLASH_SW
SERVO_RESET_L P13-29A 7B SERVO_RESET_L
8B
DV_FL_FP P8-9C 9B DV_FL_FP
SYS_CLK18 P8-10C 10B SYS_CLK18
SYS_FEND P6-10C, P8-11C 11B SYS_FEND
DV_AV_INT_L P8-13A 12B DV_AV_INT_L
OUT_FRM P4-23A, P6-10A, P10-12C 13B OUT_FRM
CHR_VSYNC_L P10-19A 14B CHR_VSYNC_L
CHR_DATA_H P10-20A 15B CHR_DATA_H
DIF_AV_DATA P6-15B 16B DIF_AV_DATA
DIF_AV_INT_L P6-16B 17B DIF_AV_INT_L
IF_DIF_RESERVE P6-20C 18B IF_DIF_RESERVE
DIF_FL_FP P6-18C 19B DIF_FL_FP
DEW_GND P17-1B 20B DEW_GND
P_SERIAL_IN P21-20D 21B P_SERIAL_IN
STB_CLK16 P21-21C 22B STB_CLK16
23B
24B
FR_KEY P20-14 25B FR_KEY
FR_STB P20-17 26B FR_STB
SERVO_LOCK2_L P13-22A 27B SERVO_LOCK2_L
JOG_SHTL P20-29 28B JOG_SHTL
F_REC_VR3 P20-23 29B F_REC_VR3
F_REC_VR1 P20-8 30B F_REC_VR1
31B
GND 32B GND
P12
K1KB96A00048
GND 1C GND
EVR_CLK P15-24C 2C EVR_CLK
WFM_TC P10-4B 3C WFM_TC
FR_PULSE P13-23A 4C FR_PULSE
SYS_SV_DATA P13-27B 5C SYS_SV_DATA
SV_FLASH_TXD P13-28B 6C SV_FLASH_TXD
SV_SYS_INT_L P13-29B 7C SV_SYS_INT_L
DV_FL_RXD P8-9A 8C DV_FL_RXD
DV_FL_RST P8-10A 9C DV_FL_RST
SYS_FRP P2-15C, P6-10B, P8-11A, P13-25C 10C SYS_FRP
FM_FLAG P8-12A 11C FM_FLAG
AV_DV_INT_L P8-12C 12C AV_DV_INT_L
CHR_HSYNC_L P10-19B 13C CHR_HSYNC_L
CTL_SEL0_BUF P13-25A 14C CTL_SEL0_BUF
CTL_SEL1_BUF P13-25B 15C CTL_SEL1_BUF
DIF_AV_CLK P6-15C 16C DIF_AV_CLK
P1394_RX P6-20A 17C P1394_RX
DIF_FL_RXD P6-18A 18C DIF_FL_RXD
DIF_FL_RST P6-19A 19C DIF_FL_RST
DEW_ON_H P17-1C 20C DEW_ON_H
CTL_PULSE1 P13-24B 21C CTL_PULSE1
CTL_PULSE2 P13-24C 22C CTL_PULSE2
23C
24C
FR_VFDLED P20-15 25C FR_VFDLED
FR_RST_L P20-18, P21-21D 26C FR_RST_L
JOG_DIAL0 P20-26 27C JOG_DIAL0
JOG_STILL P20-28 28C JOG_STILL
F_REC_VR4 P20-24 29C F_REC_VR4
F_REC_VR2 P20-9 30C F_REC_VR2
F_VR_GND P20-10 31C F_VR_GND
GND 32C GND

COMPONENT NAME	MOTHER(SYSCON)	06/10
CIRCUIT BOARD NO.	DRAWING NO.	
VEP80C41A	KR0R98 (6/10) (0)	
	SCM006	

A B C D E F G H I J

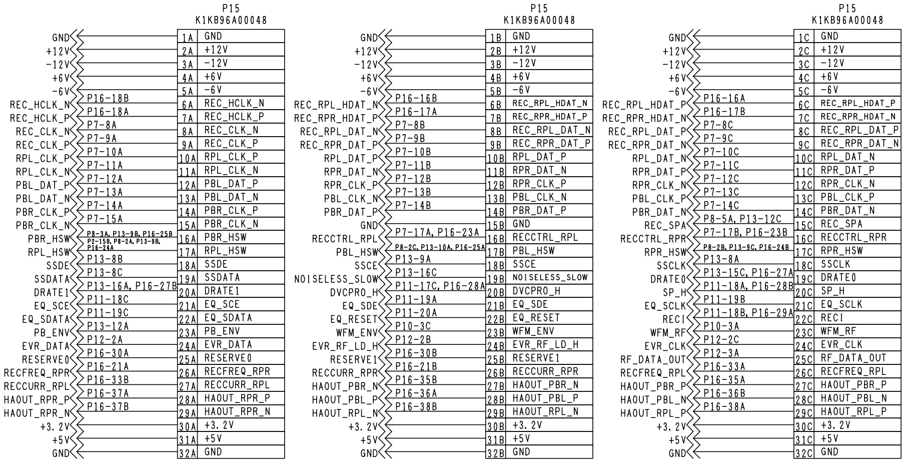
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

F7 (SERVO)

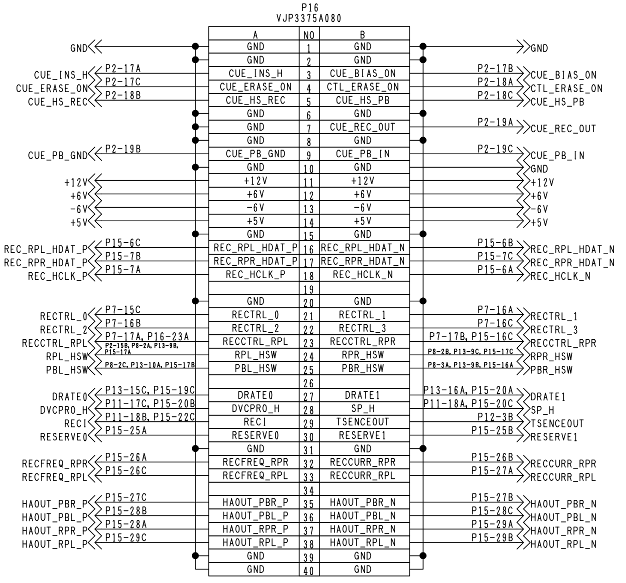

P13
K1KB96A00048
GND 1A GND
+12V 2A +12V
-12V 3A -12V
+6V 4A +6V
-6V 5A -6V
ISP_TDI P1, 3, 4, 6, 7, 9, 11, 21 6A ISP_TDI
ISP_TDO P1, 3, 4, 6, 7, 9, 11, 21 7A ISP_TDO
SSCLK P15-18C 8A SSCLK
SSCE P15-18B 9A SSCE
PBL_HSW P8-2C, P15-17B, P16-25A 10A PBL_HSW
FEND P8-3C 11A FEND
PB_ENV P15-23A 12A PB_ENV
CUEREV_H P8-5B 13A CUEREV_H
TRP2 P8-6B 14A TRP2
TSR P8-7B 15A TSR
DRATE1 P15-20A, P16-27B 16A DRATE1
S_BRAKE_OFF_H P17-29C 17A S_BRAKE_OFF_H
T_BRAKE_ON_H P17-26C 18A T_BRAKE_ON_H
TAPE_SENSOR_ON P17-22C 19A TAPE_SENSOR_ON
SV_MEC_DATA P17-19A 20A SV_MEC_DATA
TAPE_START_L P17-18A 21A TAPE_START_L
SERVO_LOCK2_L P12-27B 22A SERVO_LOCK2_L
FR_PULSE P12-4C 23A FR_PULSE
MIC_3 P17-23C 24A MIC_3
CTL_SEL0_BUF P12-14C 25A CTL_SEL0_BUF
SYS_SSP P6-14B, P8-11B, P12-11A 26A SYS_SSP
SV_SYS_DATA P12-5B 27A SV_SYS_DATA
SV_FLASH_SW P12-6B 28A SV_FLASH_SW
SERVO_RESET_L P12-7B 29A SERVO_RESET_L
+3.2V 30A +3.2V
+5V 31A +5V
GND 32A GND
P13
K1KB96A00048
GND 1B GND
+12V 2B +12V
-12V 3B -12V
+6V 4B +6V
-6V 5B -6V
ISP_TMS P1, 3, 4, 6, 7, 9, 11, 21 6B ISP_TMS
ISP_SEL8 P21-29C 7B ISP_SEL8
SSDE P15-18A 8B SSDE
RPL_HSW P2-15B, P8-2A, P15-17A, P16-24A 9B RPL_HSW
PBR_HSW P8-3A, P15-16A, P16-25B 10B PBR_HSW
FPS0 P8-4A 11B FPS0
SLOW_H P8-4C 12B SLOW_H
TRP0 P8-5C 13B TRP0
TRP3 P8-6C 14B TRP3
SV_DV_TXD P8-7C 15B SV_DV_TXD
TAPE_REV_H P8-8A 16B TAPE_REV_H
S_BRAKE_ON_H P17-28C 17B S_BRAKE_ON_H
M_STOPPER_OFF_H P17-25C 18B M_STOPPER_OFF_H
PINCH_OFF_H P17-21C 19B PINCH_OFF_H
SV_MEC_STB P17-19B 20B SV_MEC_STB
TAPE_END_L P17-18B 21B TAPE_END_L
SYS_REV_H P12-4A 22B SYS_REV_H
MIC_1 P17-30B 23B MIC_1
CTL_PULSE1 P12-21C 24B CTL_PULSE1
CTL_SEL1_BUF P12-15C 25B CTL_SEL1_BUF
WFM_CTL P10-5A 26B WFM_CTL
SYS_SV_DATA P12-5C 27B SYS_SV_DATA
SV_FLASH_TXD P12-6C 28B SV_FLASH_TXD
SV_SYS_INT_L P12-7C 29B SV_SYS_INT_L
+3.2V 30B +3.2V
+5V 31B +5V
GND 32B GND
P13
K1KB96A00048
GND 1C GND
+12V 2C +12V
-12V 3C -12V
+6V 4C +6V
-6V 5C -6V
ISP_TCK P1, 3, 4, 6, 7, 9, 11, 21 6C ISP_TCK
CONF_INFO P1, 3, 4, 6, 7, 9, 11 7C CONF_INFO
SSDATA P15-19A 8C SSDATA
RPR_HSW P8-5A, P15-15C 9C RPR_HSW
FLUSH P8-3B 10C FLUSH
FPS1 P8-4B 11C FPS1
REC_SPA P8-5B, P15-15C 12C REC_SPA
TRP1 P8-6A 13C TRP1
LIN_H P8-7A 14C LIN_H
DRATE0 P15-19C, P16-27A 15C DRATE0
NOISELESS_SLOW P15-19B 16C NOISELESS_SLOW
T_BRAKE_OFF_H P17-27C 17C T_BRAKE_OFF_H
M_STOPPER_ON_H P17-24C 18C M_STOPPER_ON_H
PINCH_ON_H P17-20C 19C PINCH_ON_H
SV_MEC_CLK P17-19C 20C SV_MEC_CLK
CW_TRACK_DET P8-8B 21C CW_TRACK_DET
SERVO_LOCK_L P12-4B 22C SERVO_LOCK_L
MIC_2 P17-30C 23C MIC_2
CTL_PULSE2 P12-22C 24C CTL_PULSE2
SYS_FRP P2-15C, P6-10B, P8-11A, P12-10C 25C SYS_FRP
SV_SYS_CLK P12-5A 26C SV_SYS_CLK
SYS_SV_RQ P12-6A 27C SYS_SV_RQ
SV_FLASH_RXD P12-7A 28C SV_FLASH_RXD
SYS_SV_INT_L P12-8A 29C SYS_SV_INT_L
+3.2V 30C +3.2V
+5V 31C +5V
GND 32C GND
P14
K1KB96A00048
GND 1A GND
S_TENSION P17-1A 2A S_TENSION
CYLH1+ P17-2A 3A CYLH1+
CYLH3- P17-3A 4A CYLH3-
CYLH_V- P17-4A 5A CYLH_V-
CAPH1+ P17-5A 6A CAPH1+
CAPH2- P17-6A 7A CAPH2-
CAP_FG_VCC P17-7A 8A CAP_FG_VCC
CAP_FG2_M P17-8A 9A CAP_FG2_M
CYL_PF_GND P17-9A 10A CYL_PF_GND
CTL_REC_CURR P17-10A 11A CTL_REC_CURR
TRH1+ P17-11A 12A TRH1+
TRH2- P17-12A 13A TRH2-
SRH_V+ P17-13A 14A SRH_V+
SRH1- P17-14A 15A SRH1-
SRH3+ P17-15A 16A SRH3+
RL_FG_GND P17-16A 17A RL_FG_GND
S_FG1_M P17-17A 18A S_FG1_M
19A
LOAD_F_OUT P17-21B 20A LOAD_F_OUT
21A
CYL_M3 P17-23B 22A CYL_M3
23A
CAP_M1 P17-25B 24A CAP_M1
25A
TRM2 P17-27B 26A TRM2
27A
28A
29A
CACY_GND 30A CACY_GND
+16V 31A +16V
RL_GND 32A RL_GND
P14
K1KB96A00048
GND 1B GND
TENS_GND P17-2C 2B TENS_GND
CYLH2- P17-3C 3B CYLH2-
CYLH3+ P17-4C 4B CYLH3+
CAPH_V+ P17-5C 5B CAPH_V+
CAPH1- P17-6C 6B CAPH1-
CAPH3+ P17-7C 7B CAPH3+
CAP_FG_GND P17-8C 8B CAP_FG_GND
CYL_PG+ P17-9C 9B CYL_PG+
CTL_GND P17-10C 10B CTL_GND
TRH_V+ P17-11C 11B TRH_V+
TRH1- P17-12C 12B TRH1-
TRH3+ P17-13C 13B TRH3+
SRH_V- P17-14C 14B SRH_V-
SRH2+ P17-15C 15B SRH2+
SRH3- P17-16C 16B SRH3-
T_FG1_M P17-17C 17B T_FG1_M
S_FG2_M P17-18C 18B S_FG2_M
CLEANING_ON P17-20B 19B CLEANING_ON
20B
R_STAND_L2S P17-22B 21B R_STAND_L2S
22B
CYL_M2 P17-24B 23B CYL_M2
24B
TRM3 P17-26B 25B TRM3
26B
SRM1 P17-28B 27B SRM1
SOL_POW_OUT P17-29A, B 28B SOL_POW_OUT
29B SOL_POW_IN
CACY_GND 30B CACY_GND
+16V 31B +16V
RL_GND 32B RL_GND
P14
K1KB96A00048
GND 1C GND
CYLH1- P17-2B 2C CYLH1-
CYLH2+ P17-3B 3C CYLH2+
CYLH_V+ P17-4B 4C CYLH_V+
CAPH_V- P17-5B 5C CAPH_V-
CAPH2+ P17-6B 6C CAPH2+
CAPH3- P17-7B 7C CAPH3-
CAP_FG1_M P17-8B 8C CAP_FG1_M
CYL_FG+ P17-9B 9C CYL_FG+
CTL_PRE P17-10B 10C CTL_PRE
TRH_V- P17-11B 11C TRH_V-
TRH2+ P17-12B 12C TRH2+
TRH3- P17-13B 13C TRH3-
SRH1+ P17-14B 14C SRH1+
SRH2- P17-15B 15C SRH2-
RL_FG_V P17-16B 16C RL_FG_V
T_FG2_M P17-17B 17C T_FG2_M
18C
UNLOADING P17-20A 19C UNLOADING
F_LOAD_IN P17-21A 20C F_LOAD_IN
R_STAND_S2L P17-22A 21C R_STAND_S2L
CYL_M1 P17-23A 22C CYL_M1
CAP_M3 P17-24A 23C CAP_M3
CAP_M2 P17-25A 24C CAP_M2
TRM1 P17-26A 25C TRM1
SRM3 P17-27A 26C SRM3
SRM2 P17-28A 27C SRM2
28C SOL_POW_OUT
29C SOL_POW_IN
CACY_GND 30C CACY_GND
+16V 31C +16V
RL_GND 32C RL_GND
SOL_POWER
L1
VLP0017
L2
VLP0017
D1
21DQ04
C1
16V6800
C2
16V6800
GND

COMPONENT NAME	MOTHER(SERVO)	07/10
CIRCUIT BOARD NO.	DRAWING NO.	
VEP80C41A	KR0R98 (7/10) (0)	
	SCM007	

F8 (RF/EQ)

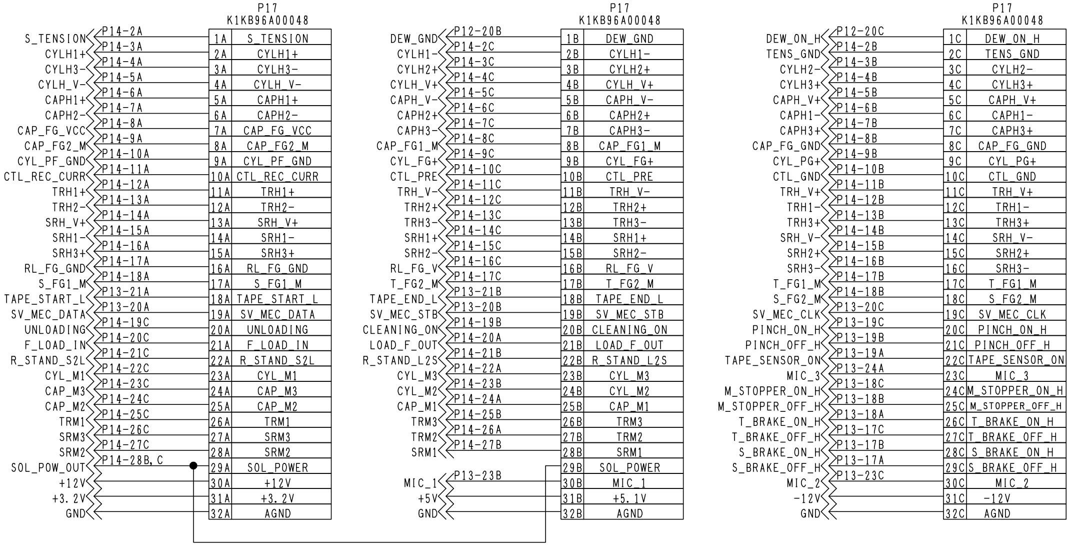

P15
K1KB96A00048
GND 1A GND
+12V 2A +12V
-12V 3A -12V
+6V 4A +6V
-6V 5A -6V
REC_HCLK_N P16-18B 6A REC_HCLK_N
REC_HCLK_P P16-18A 7A REC_HCLK_P
REC_CLK_N P7-8A 8A REC_CLK_N
REC_CLK_P P7-9A 9A REC_CLK_P
RPL_CLK_P P7-10A 10A RPL_CLK_P
RPL_CLK_N P7-11A 11A RPL_CLK_N
PBL_DAT_P P7-12A 12A PBL_DAT_P
PBL_DAT_N P7-13A 13A PBL_DAT_N
PBR_CLK_P P7-14A 14A PBR_CLK_P
PBR_CLK_N P7-15A 15A PBR_CLK_N
PBR_HSW P8-3A, P13-9B, P16-25B 16A PBR_HSW
RPL_HSW P2-15B, P8-2A, P13-9B, P16-24A 17A RPL_HSW
SSDE P13-8B 18A SSDE
SSDATA P13-8C 19A SSDATA
DRATE1 P13-16A, P16-27B 20A DRATE1
EQ_SCE P11-18C 21A EQ_SCE
EQ_SDATA P11-19C 22A EQ_SDATA
PB_ENV P13-12A 23A PB_ENV
EVR_DATA P12-2A 24A EVR_DATA
RESERVE0 P16-30A 25A RESERVE0
RECFREQ_RPR P16-21A 26A RECFREQ_RPR
RECCURR_RPL P16-33B 27A RECCURR_RPL
HAOUT_RPR_P P16-37A 28A HAOUT_RPR_P
HAOUT_RPR_N P16-37B 29A HAOUT_RPR_N
+3.2V 30A +3.2V
+5V 31A +5V
GND 32A GND
P15
K1KB96A00048
GND 1B GND
+12V 2B +12V
-12V 3B -12V
+6V 4B +6V
-6V 5B -6V
REC_RPL_HDAT_N P16-16B 6B REC_RPL_HDAT_N
REC_RPR_HDAT_P P16-17A 7B REC_RPR_HDAT_P
REC_RPL_DAT_N P7-8B 8B REC_RPL_DAT_N
REC_RPR_DAT_P P7-9B 9B REC_RPR_DAT_P
RPL_DAT_P P7-10B 10B RPL_DAT_P
RPR_DAT_N P7-11B 11B RPR_DAT_N
RPR_CLK_P P7-12B 12B RPR_CLK_P
PBL_CLK_N P7-13B 13B PBL_CLK_N
PBR_DAT_P P7-14B 14B PBR_DAT_P
GND 15B GND
RECCTRL_RPL P7-17A, P16-23A 16B RECCTRL_RPL
PBL_HSW P8-2C, P13-10A, P16-25A 17B PBL_HSW
SSCE P13-9A 18B SSCE
NOISELESS_SLOW P13-16C 19B NOISELESS_SLOW
DVCPRO_H P11-17C, P16-28A 20B DVCPRO_H
EQ_SDE P11-19A 21B EQ_SDE
EQ_RESET P11-20A 22B EQ_RESET
WFM_ENV P10-3C 23B WFM_ENV
EVR_RF_LD_H P12-2B 24B EVR_RF_LD_H
RESERVE1 P16-30B 25B RESERVE1
RECCURR_RPR P16-21B 26B RECCURR_RPR
HAOUT_PBR_N P16-35B 27B HAOUT_PBR_N
HAOUT_PBL_P P16-36A 28B HAOUT_PBL_P
HAOUT_RPL_N P16-38B 29B HAOUT_RPL_N
+3.2V 30B +3.2V
+5V 31B +5V
GND 32B GND
P15
K1KB96A00048
GND 1C GND
+12V 2C +12V
-12V 3C -12V
+6V 4C +6V
-6V 5C -6V
REC_RPL_HDAT_P P16-16A 6C REC_RPL_HDAT_P
REC_RPR_HDAT_N P16-17B 7C REC_RPR_HDAT_N
REC_RPL_DAT_P P7-8C 8C REC_RPL_DAT_P
REC_RPR_DAT_N P7-9C 9C REC_RPR_DAT_N
RPL_DAT_N P7-10C 10C RPL_DAT_N
RPR_DAT_P P7-11C 11C RPR_DAT_P
RPR_CLK_N P7-12C 12C RPR_CLK_N
PBL_CLK_P P7-13C 13C PBL_CLK_P
PBR_DAT_N P7-14C 14C PBR_DAT_N
REC_SPA P8-5A, P13-12C 15C REC_SPA
RECCTRL_RPR P7-17B, P16-23B 16C RECCTRL_RPR
RPR_HSW P8-2B, P13-9C, P16-24B 17C RPR_HSW
SSCLK P13-8A 18C SSCLK
DRATE0 P13-15C, P16-27A 19C DRATE0
SP_H P11-18A, P16-28B 20C SP_H
EQ_SCLK P11-19B 21C EQ_SCLK
RECI P11-18B, P16-29A 22C RECI
WFM_RF P10-3A 23C WFM_RF
EVR_CLK P12-2C 24C EVR_CLK
RF_DATA_OUT P12-3A 25C RF_DATA_OUT
RECFREQ_RPL P16-33A 26C RECFREQ_RPL
HAOUT_PBR_P P16-35A 27C HAOUT_PBR_P
HAOUT_PBL_N P16-36B 28C HAOUT_PBL_N
HAOUT_RPL_P P16-38A 29C HAOUT_RPL_P
+3.2V 30C +3.2V
+5V 31C +5V
GND 32C GND

HEAD_BUFF(RFCUE)

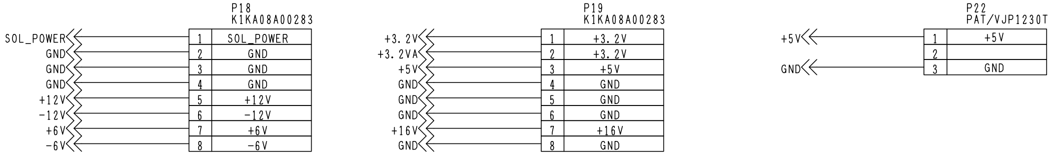

P16
VJP3375A080
A NO B
GND 1 GND GND
GND 2 GND
CUE_INS_H P2-17A CUE_INS_H 3 CUE_BIAS_ON P2-17B CUE_BIAS_ON
CUE_ERASE_ON P2-17C CUE_ERASE_ON 4 CTL_ERASE_ON P2-18A CTL_ERASE_ON
CUE_HS_REC P2-18B CUE_HS_REC 5 CUE_HS_PB P2-18C CUE_HS_PB
GND 6 GND
GND 7 CUE_REC_OUT P2-19A CUE_REC_OUT
GND 8 GND
CUE_PB_GND P2-19B CUE_PB_GND 9 CUE_PB_IN P2-19C CUE_PB_IN
GND 10 GND GND
+12V +12V 11 +12V +12V
+6V +6V 12 +6V +6V
-6V -6V 13 -6V -6V
+5V +5V 14 +5V +5V
GND 15 GND
REC_RPL_HDAT_P P15-6C REC_RPL_HDAT_P 16 REC_RPL_HDAT_N P15-6B REC_RPL_HDAT_N
REC_RPR_HDAT_P P15-7B REC_RPR_HDAT_P 17 REC_RPR_HDAT_N P15-7C REC_RPR_HDAT_N
REC_HCLK_P P15-7A REC_HCLK_P 18 REC_HCLK_N P15-6A REC_HCLK_N
19
GND 20 GND
RECTRL_0 P7-15C RECTRL_0 21 RECTRL_1 P7-16A RECTRL_1
RECTRL_2 P7-16B RECTRL_2 22 RECTRL_3 P7-16C RECTRL_3
RECCTRL_RPL P7-17A, P16-23A RECCTRL_RPL 23 RECCTRL_RPR P7-17B, P15-16C RECCTRL_RPR
RPL_HSW P2-15B, P8-2A, P13-9B, P15-17A RPL_HSW 24 RPR_HSW P8-2B, P13-9C, P15-17C RPR_HSW
PBL_HSW P8-2C, P13-10A, P15-17B PBL_HSW 25 PBR_HSW P8-3A, P13-9B, P15-16A PBR_HSW
26
DRATE0 P13-15C, P15-19C DRATE0 27 DRATE1 P13-16A, P15-20A DRATE1
DVCPRO_H P11-17C, P15-20B DVCPRO_H 28 SP_H P11-18A, P15-20C SP_H
RECI P11-18B, P15-22C RECI 29 TSENCEOUT P12-3B TSENCEOUT
RESERVE0 P15-25A RESERVE0 30 RESERVE1 P15-25B RESERVE1
GND 31 GND
RECFREQ_RPR P15-26A RECFREQ_RPR 32 RECCURR_RPR P15-26B RECCURR_RPR
RECFREQ_RPL P15-26C RECFREQ_RPL 33 RECCURR_RPL P15-27A RECCURR_RPL
34
HAOUT_PBR_P P15-27C HAOUT_PBR_P 35 HAOUT_PBR_N P15-27B HAOUT_PBR_N
HAOUT_PBL_P P15-28B HAOUT_PBL_P 36 HAOUT_PBL_N P15-28C HAOUT_PBL_N
HAOUT_RPR_P P15-28A HAOUT_RPR_P 37 HAOUT_RPR_N P15-29A HAOUT_RPR_N
HAOUT_RPL_P P15-29C HAOUT_RPL_P 38 HAOUT_RPL_N P15-29B HAOUT_RPL_N
GND 39 GND
GND 40 GND

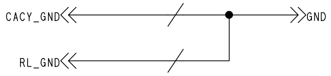
COMPONENT NAME	MOTHER(RF/EQ, RFCUE)	08/10
CIRCUIT BOARD NO.	DRAWING NO.	
VEP80C41A	KR0R98 (8/10) (0)	
	SCM008	

MECHA_IF


P17
K1KB96A00048
S_TENSION P14-2A 1A S_TENSION
CYLH1+ P14-3A 2A CYLH1+
CYLH3- P14-4A 3A CYLH3-
CYLH_V- P14-5A 4A CYLH_V-
CAPH1+ P14-6A 5A CAPH1+
CAPH2- P14-7A 6A CAPH2-
CAP_FG_VCC P14-8A 7A CAP_FG_VCC
CAP_FG2_M P14-9A 8A CAP_FG2_M
CYL_PF_GND P14-10A 9A CYL_PF_GND
CTL_REC_CURR P14-11A 10A CTL_REC_CURR
TRH1+ P14-12A 11A TRH1+
TRH2- P14-13A 12A TRH2-
SRH_V+ P14-14A 13A SRH_V+
SRH1- P14-15A 14A SRH1-
SRH3+ P14-16A 15A SRH3+
RL_FG_GND P14-17A 16A RL_FG_GND
S_FG1_M P14-18A 17A S_FG1_M
TAPE_START_L P13-21A 18A TAPE_START_L
SV_MEC_DATA P13-20A 19A SV_MEC_DATA
UNLOADING P14-19C 20A UNLOADING
F_LOAD_IN P14-20C 21A F_LOAD_IN
R_STAND_S2L P14-21C 22A R_STAND_S2L
CYL_M1 P14-22C 23A CYL_M1
CAP_M3 P14-23C 24A CAP_M3
CAP_M2 P14-24C 25A CAP_M2
TRM1 P14-25C 26A TRM1
SRM3 P14-26C 27A SRM3
SRM2 P14-27C 28A SRM2
SOL_POW_OUT P14-28B, C 29A SOL_POWER
+12V 30A +12V
+3. 2V 31A +3. 2V
GND 32A AGND
P17
K1KB96A00048
DEW_GND P12-20B 1B DEW_GND
CYLH1- P14-2C 2B CYLH1-
CYLH2+ P14-3C 3B CYLH2+
CYLH_V+ P14-4C 4B CYLH_V+
CAPH_V- P14-5C 5B CAPH_V-
CAPH2+ P14-6C 6B CAPH2+
CAPH3- P14-7C 7B CAPH3-
CAP_FG1_M P14-8C 8B CAP_FG1_M
CYL_FG+ P14-9C 9B CYL_FG+
CTL_PRE P14-10C 10B CTL_PRE
TRH_V- P14-11C 11B TRH_V-
TRH2+ P14-12C 12B TRH2+
TRH3- P14-13C 13B TRH3-
SRH1+ P14-14C 14B SRH1+
SRH2- P14-15C 15B SRH2-
RL_FG_V P14-16C 16B RL_FG_V
T_FG2_M P14-17C 17B T_FG2_M
TAPE_END_L P13-21B 18B TAPE_END_L
SV_MEC_STB P13-20B 19B SV_MEC_STB
CLEANING_ON P14-19B 20B CLEANING_ON
LOAD_F_OUT P14-20A 21B LOAD_F_OUT
R_STAND_L2S P14-21B 22B R_STAND_L2S
CYL_M3 P14-22A 23B CYL_M3
CYL_M2 P14-23B 24B CYL_M2
CAP_M1 P14-24A 25B CAP_M1
TRM3 P14-25B 26B TRM3
TRM2 P14-26A 27B TRM2
SRM1 P14-27B 28B SRM1
29B SOL_POWER
MIC_1 P13-23B 30B MIC_1
+5V 31B +5. 1V
GND 32B AGND
P17
K1KB96A00048
DEW_ON_H P12-20C 1C DEW_ON_H
TENS_GND P14-2B 2C TENS_GND
CYLH2- P14-3B 3C CYLH2-
CYLH3+ P14-4B 4C CYLH3+
CAPH_V+ P14-5B 5C CAPH_V+
CAPH1- P14-6B 6C CAPH1-
CAPH3+ P14-7B 7C CAPH3+
CAP_FG_GND P14-8B 8C CAP_FG_GND
CYL_PG+ P14-9B 9C CYL_PG+
CTL_GND P14-10B 10C CTL_GND
TRH_V+ P14-11B 11C TRH_V+
TRH1- P14-12B 12C TRH1-
TRH3+ P14-13B 13C TRH3+
SRH_V- P14-14B 14C SRH_V-
SRH2+ P14-15B 15C SRH2+
SRH3- P14-16B 16C SRH3-
T_FG1_M P14-17B 17C T_FG1_M
S_FG2_M P14-18B 18C S_FG2_M
SV_MEC_CLK P13-20C 19C SV_MEC_CLK
PINCH_ON_H P13-19C 20C PINCH_ON_H
PINCH_OFF_H P13-19B 21C PINCH_OFF_H
TAPE_SENSOR_ON P13-19A 22C TAPE_SENSOR_ON
MIC_3 P13-24A 23C MIC_3
M_STOPPER_ON_H P13-18C 24C M_STOPPER_ON_H
M_STOPPER_OFF_H P13-18B 25C M_STOPPER_OFF_H
T_BRAKE_ON_H P13-18A 26C T_BRAKE_ON_H
T_BRAKE_OFF_H P13-17C 27C T_BRAKE_OFF_H
S_BRAKE_ON_H P13-17B 28C S_BRAKE_ON_H
S_BRAKE_OFF_H P13-17A 29C S_BRAKE_OFF_H
MIC_2 P13-23C 30C MIC_2
-12V 31C -12V
GND 32C AGND

POWER

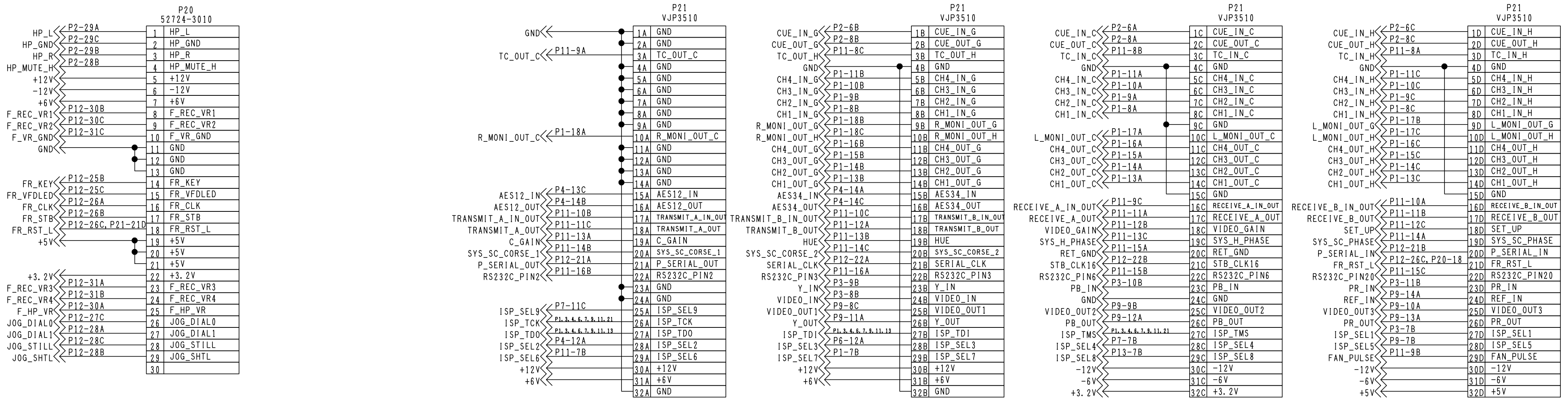

P18
K1KA08A00283
SOL_POWER 1 SOL_POWER
GND 2 GND
GND 3 GND
GND 4 GND
+12V 5 +12V
-12V 6 -12V
+6V 7 +6V
-6V 8 -6V
P19
K1KA08A00283
+3. 2V 1 +3. 2V
+3. 2VA 2 +3. 2V
+5V 3 +5V
GND 4 GND
GND 5 GND
GND 6 GND
+16V 7 +16V
GND 8 GND
P22
PAT/VJP1230T
+5V 1 +5V
2
GND 3 GND


CACY_GND
GND
RL_GND

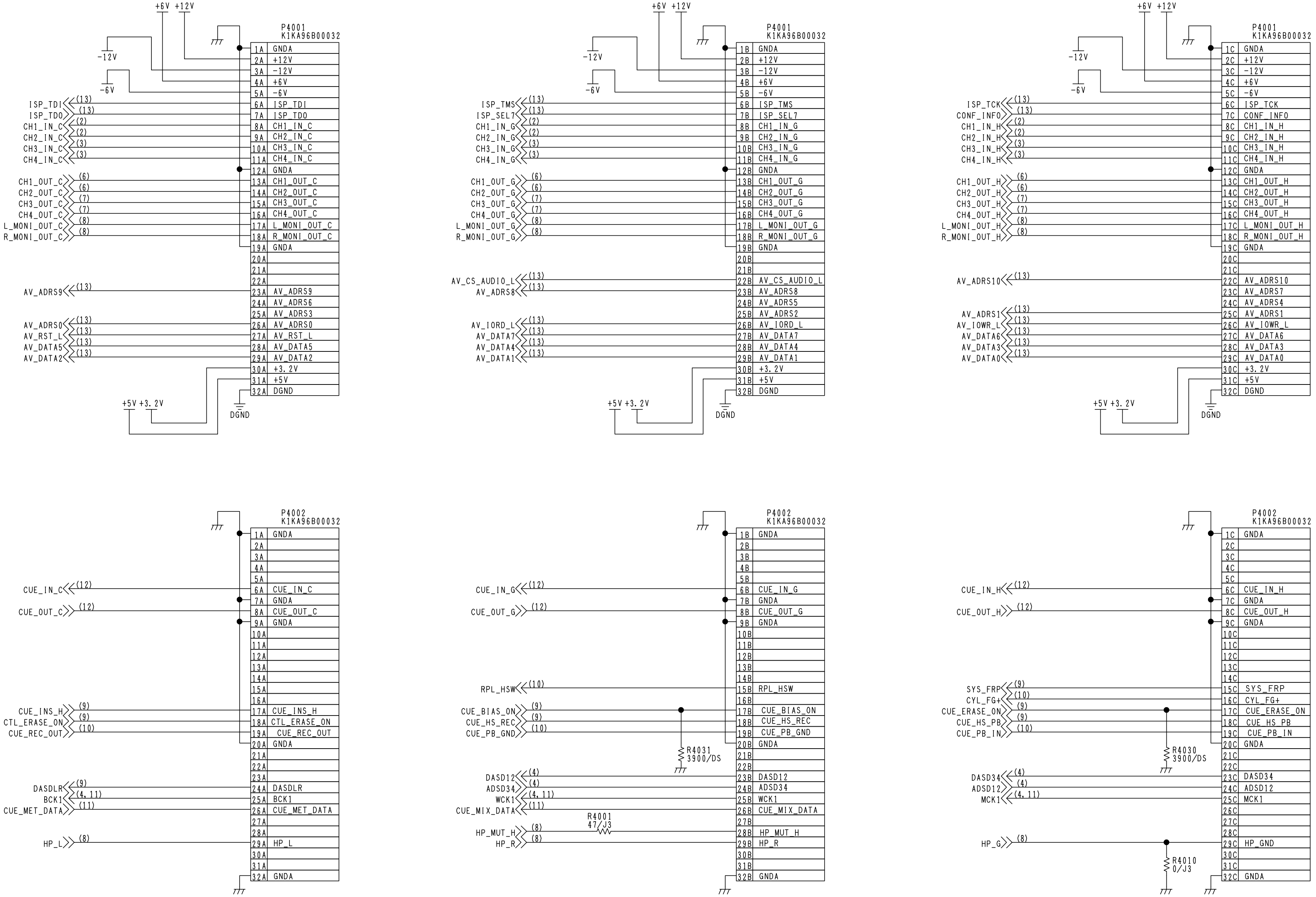
COMPONENT NAME	**MOTHER**(MECHA_IF, POWER)	09/10
CIRCUIT BOARD NO.	DRAWING NO.	
VEP80C41A	KR0R98 (9/10) (0)	
	SCM009	

FRONT

AVJACK

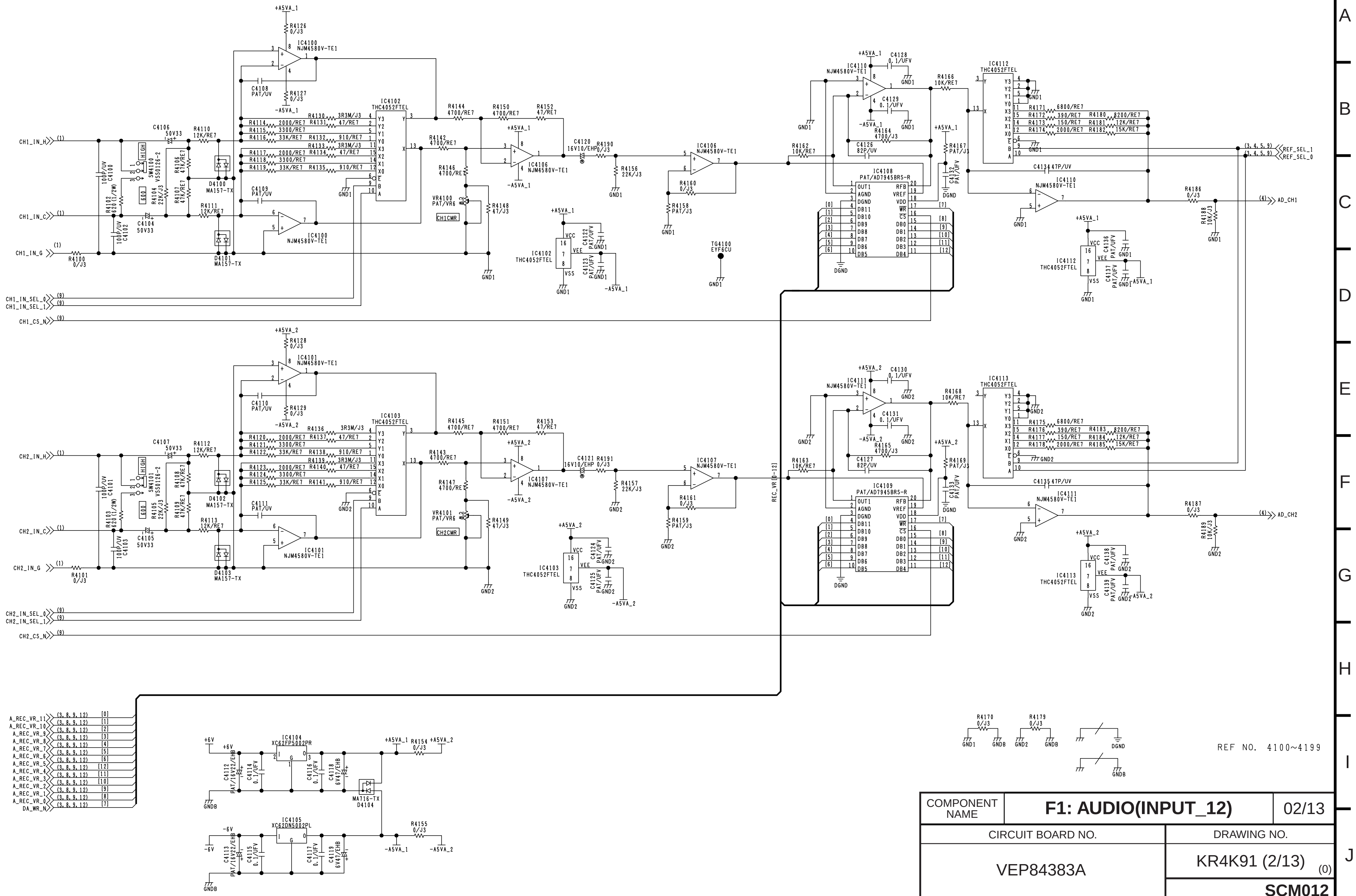

P20
52724-3010
HP_L P2-29A 1 HP_L
HP_GND P2-29C 2 HP_GND
HP_R P2-29B 3 HP_R
HP_MUTE_H P2-28B 4 HP_MUTE_H
+12V 5 +12V
-12V 6 -12V
+6V 7 +6V
F_REC_VR1 P12-30B 8 F_REC_VR1
F_REC_VR2 P12-30C 9 F_REC_VR2
F_VR_GND P12-31C 10 F_VR_GND
GND 11 GND
12 GND
13 GND
FR_KEY P12-25B 14 FR_KEY
FR_VFDLED P12-25C 15 FR_VFDLED
FR_CLK P12-26A 16 FR_CLK
FR_STB P12-26B 17 FR_STB
FR_RST_L P12-26C, P21-21D 18 FR_RST_L
+5V 19 +5V
20 +5V
21 +5V
+3. 2V 22 +3. 2V
F_REC_VR3 P12-31A 23 F_REC_VR3
F_REC_VR4 P12-31B 24 F_REC_VR4
F_HP_VR P12-30A 25 F_HP_VR
JOG_DIAL0 P12-27C 26 JOG_DIAL0
JOG_DIAL1 P12-28A 27 JOG_DIAL1
JOG_STILL P12-28C 28 JOG_STILL
JOG_SHTL P12-28B 29 JOG_SHTL
30
P21
VJP3510
GND 1A GND
2A GND
TC_OUT_C P11-9A 3A TC_OUT_C
4A GND
5A GND
6A GND
7A GND
8A GND
9A GND
R_MONI_OUT_C P1-18A 10A R_MONI_OUT_C
11A GND
12A GND
13A GND
14A GND
AES12_IN P4-13C 15A AES12_IN
AES12_OUT P4-14B 16A AES12_OUT
TRANSMIT_A_IN_OUT P11-10B 17A TRANSMIT_A_IN_OUT
TRANSMIT_A_OUT P11-11C 18A TRANSMIT_A_OUT
C_GAIN P11-13A 19A C_GAIN
SYS_SC_CORSE_1 P11-14B 20A SYS_SC_CORSE_1
P_SERIAL_OUT P12-21A 21A P_SERIAL_OUT
RS232C_PIN2 P11-16B 22A RS232C_PIN2
23A GND
24A GND
ISP_SEL9 P7-11C 25A ISP_SEL9
ISP_TCK P1, 3, 4, 6, 7, 9, 11, 21 26A ISP_TCK
ISP_TDO P1, 3, 4, 6, 7, 9, 11, 13 27A ISP_TDO
ISP_SEL2 P4-12A 28A ISP_SEL2
ISP_SEL6 P11-7B 29A ISP_SEL6
+12V 30A +12V
+6V 31A +6V
32A GND
P21
VJP3510
CUE_IN_G P2-6B 1B CUE_IN_G
CUE_OUT_G P2-8B 2B CUE_OUT_G
TC_OUT_H P11-8C 3B TC_OUT_H
GND 4B GND
CH4_IN_G P1-11B 5B CH4_IN_G
CH3_IN_G P1-10B 6B CH3_IN_G
CH2_IN_G P1-9B 7B CH2_IN_G
CH1_IN_G P1-8B 8B CH1_IN_G
R_MONI_OUT_G P1-18B 9B R_MONI_OUT_G
R_MONI_OUT_H P1-18C 10B R_MONI_OUT_H
CH4_OUT_G P1-16B 11B CH4_OUT_G
CH3_OUT_G P1-15B 12B CH3_OUT_G
CH2_OUT_G P1-14B 13B CH2_OUT_G
CH1_OUT_G P1-13B 14B CH1_OUT_G
AES34_IN P4-14A 15B AES34_IN
AES34_OUT P4-14C 16B AES34_OUT
TRANSMIT_B_IN_OUT P11-10C 17B TRANSMIT_B_IN_OUT
TRANSMIT_B_OUT P11-12A 18B TRANSMIT_B_OUT
HUE P11-13B 19B HUE
SYS_SC_CORSE_2 P11-14C 20B SYS_SC_CORSE_2
SERIAL_CLK P12-22A 21B SERIAL_CLK
RS232C_PIN3 P11-16A 22B RS232C_PIN3
Y_IN P3-9B 23B Y_IN
VIDEO_IN P3-8B 24B VIDEO_IN
VIDEO_OUT1 P9-8C 25B VIDEO_OUT1
Y_OUT P9-11A 26B Y_OUT
ISP_TDI P1, 3, 4, 6, 7, 9, 11, 13 27B ISP_TDI
ISP_SEL3 P6-12A 28B ISP_SEL3
ISP_SEL7 P1-7B 29B ISP_SEL7
+12V 30B +12V
+6V 31B +6V
32B GND
P21
VJP3510
CUE_IN_C P2-6A 1C CUE_IN_C
CUE_OUT_C P2-8A 2C CUE_OUT_C
TC_IN_C P11-8B 3C TC_IN_C
GND 4C GND
CH4_IN_C P1-11A 5C CH4_IN_C
CH3_IN_C P1-10A 6C CH3_IN_C
CH2_IN_C P1-9A 7C CH2_IN_C
CH1_IN_C P1-8A 8C CH1_IN_C
9C GND
L_MONI_OUT_C P1-17A 10C L_MONI_OUT_C
CH4_OUT_C P1-16A 11C CH4_OUT_C
CH3_OUT_C P1-15A 12C CH3_OUT_C
CH2_OUT_C P1-14A 13C CH2_OUT_C
CH1_OUT_C P1-13A 14C CH1_OUT_C
15C GND
RECEIVE_A_IN_OUT P11-9C 16C RECEIVE_A_IN_OUT
RECEIVE_A_OUT P11-11A 17C RECEIVE_A_OUT
VIDEO_GAIN P11-12B 18C VIDEO_GAIN
SYS_H_PHASE P11-13C 19C SYS_H_PHASE
RET_GND P11-15A 20C RET_GND
STB_CLK16 P12-22B 21C STB_CLK16
RS232C_PIN6 P11-15B 22C RS232C_PIN6
PB_IN P3-10B 23C PB_IN
GND 24C GND
VIDEO_OUT2 P9-9B 25C VIDEO_OUT2
PB_OUT P9-12A 26C PB_OUT
ISP_TMS P1, 3, 4, 6, 7, 9, 11, 21 27C ISP_TMS
ISP_SEL4 P7-7B 28C ISP_SEL4
ISP_SEL8 P13-7B 29C ISP_SEL8
-12V 30C -12V
-6V 31C -6V
+3. 2V 32C +3. 2V
P21
VJP3510
CUE_IN_H P2-6C 1D CUE_IN_H
CUE_OUT_H P2-8C 2D CUE_OUT_H
TC_IN_H P11-8A 3D TC_IN_H
GND 4D GND
CH4_IN_H P1-11C 5D CH4_IN_H
CH3_IN_H P1-10C 6D CH3_IN_H
CH2_IN_H P1-9C 7D CH2_IN_H
CH1_IN_H P1-8C 8D CH1_IN_H
L_MONI_OUT_G P1-17B 9D L_MONI_OUT_G
L_MONI_OUT_H P1-17C 10D L_MONI_OUT_H
CH4_OUT_H P1-16C 11D CH4_OUT_H
CH3_OUT_H P1-15C 12D CH3_OUT_H
CH2_OUT_H P1-14C 13D CH2_OUT_H
CH1_OUT_H P1-13C 14D CH1_OUT_H
15D GND
RECEIVE_B_IN_OUT P11-10A 16D RECEIVE_B_IN_OUT
RECEIVE_B_OUT P11-11B 17D RECEIVE_B_OUT
SET_UP P11-12C 18D SET_UP
SYS_SC_PHASE P11-14A 19D SYS_SC_PHASE
P_SERIAL_IN P12-21B 20D P_SERIAL_IN
FR_RST_L P12-26C, P20-18 21D FR_RST_L
RS232C_PIN20 P11-15C 22D RS232C_PIN20
PR_IN P3-11B 23D PR_IN
REF_IN P9-14A 24D REF_IN
VIDEO_OUT3 P9-10A 25D VIDEO_OUT3
PR_OUT P9-13A 26D PR_OUT
ISP_SEL1 P3-7B 27D ISP_SEL1
ISP_SEL5 P9-7B 28D ISP_SEL5
FAN_PULSE P11-9B 29D FAN_PULSE
-12V 30D -12V
-6V 31D -6V
+5V 32D +5V

COMPONENT NAME	**MOTHER(FRONT, AV JACK)**	10/10
CIRCUIT BOARD NO.	DRAWING NO.	
VEP80C41A	KR0R98 (10/10) (0)	
	SCM010	


+6V
+12V
-12V
-6V
P4001
K1KA96B00032
1A GNDA
2A +12V
3A -12V
4A +6V
5A -6V
6A ISP_TDI
7A ISP_TDO
8A CH1_IN_C
9A CH2_IN_C
10A CH3_IN_C
11A CH4_IN_C
12A GNDA
13A CH1_OUT_C
14A CH2_OUT_C
15A CH3_OUT_C
16A CH4_OUT_C
17A L_MONI_OUT_C
18A R_MONI_OUT_C
19A GNDA
20A
21A
22A
23A AV_ADRS9
24A AV_ADRS6
25A AV_ADRS3
26A AV_ADRS0
27A AV_RST_L
28A AV_DATA5
29A AV_DATA2
30A +3.2V
31A +5V
32A DGND
ISP_TDI (13)
ISP_TDO (13)
CH1_IN_C (2)
CH2_IN_C (2)
CH3_IN_C (3)
CH4_IN_C (3)
CH1_OUT_C (6)
CH2_OUT_C (6)
CH3_OUT_C (7)
CH4_OUT_C (7)
L_MONI_OUT_C (8)
R_MONI_OUT_C (8)
AV_ADRS9 (13)
AV_ADRS0 (13)
AV_RST_L (13)
AV_DATA5 (13)
AV_DATA2 (13)
+5V
+3.2V
DGND
+6V
+12V
-12V
-6V
P4001
K1KA96B00032
1B GNDA
2B +12V
3B -12V
4B +6V
5B -6V
6B ISP_TMS
7B ISP_SEL7
8B CH1_IN_G
9B CH2_IN_G
10B CH3_IN_G
11B CH4_IN_G
12B GNDA
13B CH1_OUT_G
14B CH2_OUT_G
15B CH3_OUT_G
16B CH4_OUT_G
17B L_MONI_OUT_G
18B R_MONI_OUT_G
19B GNDA
20B
21B
22B AV_CS_AUDIO_L
23B AV_ADRS8
24B AV_ADRS5
25B AV_ADRS2
26B AV_IORD_L
27B AV_DATA7
28B AV_DATA4
29B AV_DATA1
30B +3.2V
31B +5V
32B DGND
ISP_TMS (13)
ISP_SEL7 (13)
CH1_IN_G (2)
CH2_IN_G (2)
CH3_IN_G (3)
CH4_IN_G (3)
CH1_OUT_G (6)
CH2_OUT_G (6)
CH3_OUT_G (7)
CH4_OUT_G (7)
L_MONI_OUT_G (8)
R_MONI_OUT_G (8)
AV_CS_AUDIO_L (13)
AV_ADRS8 (13)
AV_IORD_L (13)
AV_DATA7 (13)
AV_DATA4 (13)
AV_DATA1 (13)
+5V
+3.2V
DGND
+6V
+12V
-12V
-6V
P4001
K1KA96B00032
1C GNDA
2C +12V
3C -12V
4C +6V
5C -6V
6C ISP_TCK
7C CONF_INFO
8C CH1_IN_H
9C CH2_IN_H
10C CH3_IN_H
11C CH4_IN_H
12C GNDA
13C CH1_OUT_H
14C CH2_OUT_H
15C CH3_OUT_H
16C CH4_OUT_H
17C L_MONI_OUT_H
18C R_MONI_OUT_H
19C GNDA
20C
21C
22C AV_ADRS10
23C AV_ADRS7
24C AV_ADRS4
25C AV_ADRS1
26C AV_IOWR_L
27C AV_DATA6
28C AV_DATA3
29C AV_DATA0
30C +3.2V
31C +5V
32C DGND
ISP_TCK (13)
CONF_INFO (13)
CH1_IN_H (2)
CH2_IN_H (2)
CH3_IN_H (3)
CH4_IN_H (3)
CH1_OUT_H (6)
CH2_OUT_H (6)
CH3_OUT_H (7)
CH4_OUT_H (7)
L_MONI_OUT_H (8)
R_MONI_OUT_H (8)
AV_ADRS10 (13)
AV_ADRS1 (13)
AV_IOWR_L (13)
AV_DATA6 (13)
AV_DATA3 (13)
AV_DATA0 (13)
+5V
+3.2V
DGND
P4002
K1KA96B00032
1A GNDA
2A
3A
4A
5A
6A CUE_IN_C
7A GNDA
8A CUE_OUT_C
9A GNDA
10A
11A
12A
13A
14A
15A
16A
17A CUE_INS_H
18A CTL_ERASE_ON
19A CUE_REC_OUT
20A GNDA
21A
22A
23A
24A DASDLR
25A BCK1
26A CUE_MET_DATA
27A
28A
29A HP_L
30A
31A
32A GNDA
CUE_IN_C (12)
CUE_OUT_C (12)
CUE_INS_H (9)
CTL_ERASE_ON (9)
CUE_REC_OUT (10)
DASDLR (9)
BCK1 (4, 11)
CUE_MET_DATA (11)
HP_L (8)
P4002
K1KA96B00032
1B GNDA
2B
3B
4B
5B
6B CUE_IN_G
7B GNDA
8B CUE_OUT_G
9B GNDA
10B
11B
12B
13B
14B
15B RPL_HSW
16B
17B CUE_BIAS_ON
18B CUE_HS_REC
19B CUE_PB_GND
20B GNDA
21B
22B
23B DASD12
24B ADSD34
25B WCK1
26B CUE_MIX_DATA
27B
28B HP_MUT_H
29B HP_R
30B
31B
32B GNDA
CUE_IN_G (12)
CUE_OUT_G (12)
RPL_HSW (10)
CUE_BIAS_ON (9)
CUE_HS_REC (9)
CUE_PB_GND (10)
R4031
3900/DS
DASD12 (4)
ADSD34 (4)
WCK1 (4, 11)
CUE_MIX_DATA (11)
R4001
47/J3
HP_MUT_H (8)
HP_R (8)
P4002
K1KA96B00032
1C GNDA
2C
3C
4C
5C
6C CUE_IN_H
7C GNDA
8C CUE_OUT_H
9C GNDA
10C
11C
12C
13C
14C
15C SYS_FRP
16C CYL_FG+
17C CUE_ERASE_ON
18C CUE_HS_PB
19C CUE_PB_IN
20C GNDA
21C
22C
23C DASD34
24C ADSD12
25C MCK1
26C
27C
28C
29C HP_GND
30C
31C
32C GNDA
CUE_IN_H (12)
CUE_OUT_H (12)
SYS_FRP (9)
CYL_FG+ (10)
CUE_ERASE_ON (9)
CUE_HS_PB (9)
CUE_PB_IN (10)
R4030
3900/DS
DASD34 (4)
ADSD12 (4)
MCK1 (4, 11)
HP_G (8)
R4010
0/J3

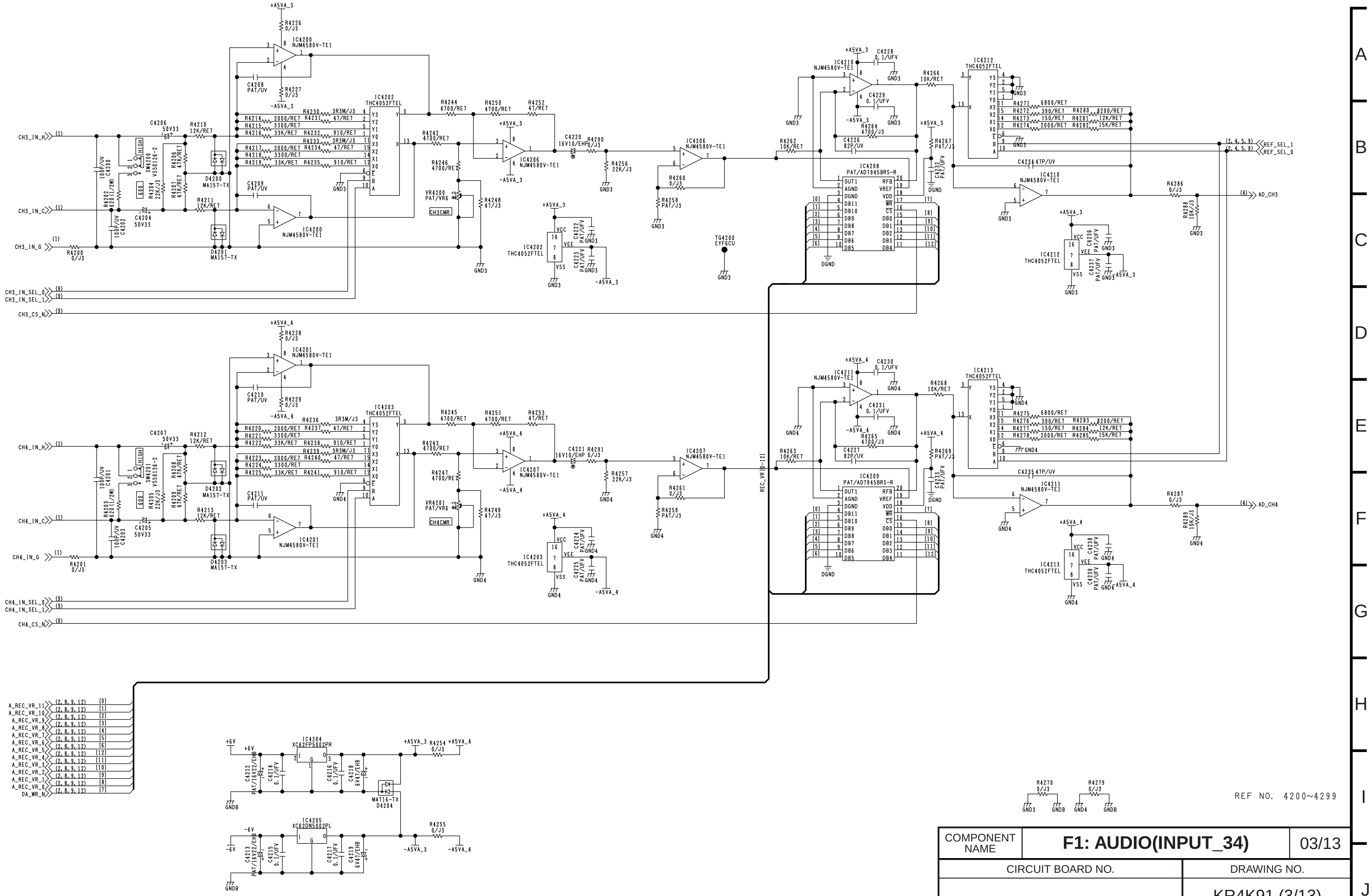
REF NO. 4000~4099

COMPONENT NAME	F1: AUDIO(CONNECTOR)	01/13
CIRCUIT BOARD NO.	DRAWING NO.	
VEP84383A	KR4K91 (1/13) (0)	
	SCM011	



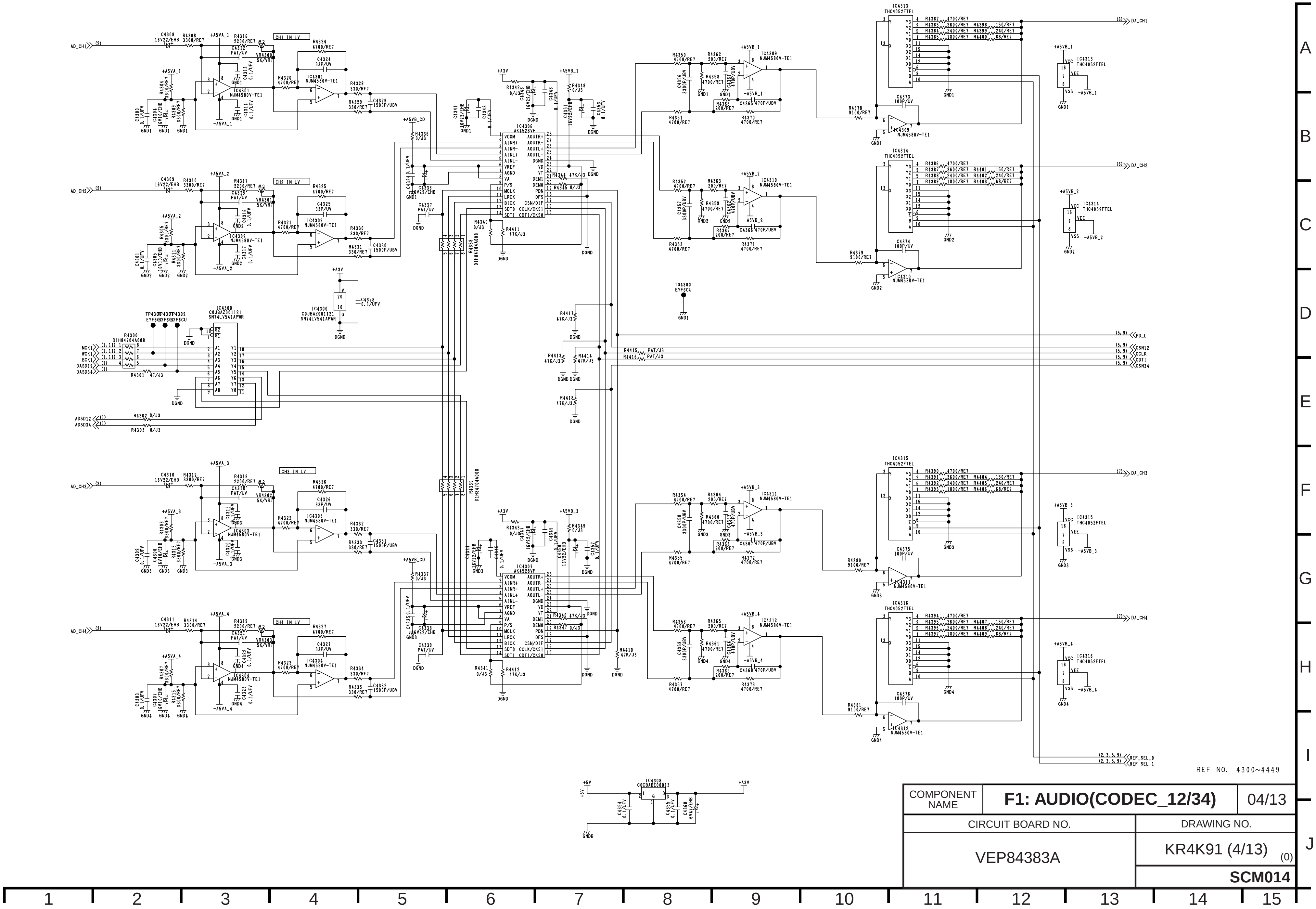
CH1_IN_H
CH1_IN_C
CH1_IN_G
CH1_IN_SEL_0
CH1_IN_SEL_1
CH1_CS_N
CH2_IN_H
CH2_IN_C
CH2_IN_G
CH2_IN_SEL_0
CH2_IN_SEL_1
CH2_CS_N
IC4100 NJM4580V-TE1
IC4101 NJM4580V-TE1
IC4102 THC4052FTEL
IC4103 THC4052FTEL
IC4106 NJM4580V-TE1
IC4107 NJM4580V-TE1
IC4108 PAT/AD7945BRS-R
IC4109 PAT/AD7945BRS-R
IC4110 NJM4580V-TE1
IC4111 NJM4580V-TE1
IC4112 THC4052FTEL
IC4113 THC4052FTEL
IC4104 XC62FP5002PR
IC4105 XC62DN5002PL
SW4100 VSS0126-2
SW4101 VSS0126-2
HIGH
600
D4100 MA157-TX
D4101 MA157-TX
D4102 MA157-TX
D4103 MA157-TX
D4104 MA716-TX
VR4100 PAT/VR6
VR4101 PAT/VR6
CH1CMR
CH2CMR
TG4100 EYF6CU
+A5VA_1
-A5VA_1
+A5VA_2
-A5VA_2
+6V
-6V
GND1
GND2
GNDB
DGND
REF_SEL_1
REF_SEL_0
AD_CH1
AD_CH2
REC_VR[0-12]
A_REC_VR_11
A_REC_VR_10
A_REC_VR_9
A_REC_VR_8
A_REC_VR_7
A_REC_VR_6
A_REC_VR_5
A_REC_VR_4
A_REC_VR_3
A_REC_VR_2
A_REC_VR_1
A_REC_VR_0
DA_WR_N
REF NO. 4100~4199
A
B
C
D
E
F
G
H
I
J
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15

COMPONENT NAME	F1: AUDIO(INPUT_12)	02/13
CIRCUIT BOARD NO.	DRAWING NO.	
VEP84383A	KR4K91 (2/13) (0)	
	SCM012	


IC4200 NJM4580V-TE1
IC4201 NJM4580V-TE1
IC4202 THC4052FTEL
IC4203 THC4052FTEL
IC4204 XC62FP5002PR
IC4205 XC62DN5002PL
IC4206 NJM4580V-TE1
IC4207 NJM4580V-TE1
IC4208 PAT/AD7945BRS-R
IC4209 PAT/AD7945BRS-R
IC4210 NJM4580V-TE1
IC4211 NJM4580V-TE1
IC4212 THC4052FTEL
IC4213 THC4052FTEL
D4200 MA157-TX
D4201 MA157-TX
D4202 MA157-TX
D4203 MA157-TX
D4204 MA716-TX
SW4200 VSS0126-2
SW4201 VSS0126-2
VR4200 PAT/VR6
VR4201 PAT/VR6
CH3CMR
CH4CMR
TG4200 EYF6CU
CH3_IN_H
CH3_IN_C
CH3_IN_G
CH3_IN_SEL_0
CH3_IN_SEL_1
CH3_CS_N
CH4_IN_H
CH4_IN_C
CH4_IN_G
CH4_IN_SEL_0
CH4_IN_SEL_1
CH4_CS_N
REF_SEL_1
REF_SEL_0
AD_CH3
AD_CH4
REC_VR[0-12]
A_REC_VR_11
A_REC_VR_10
A_REC_VR_9
A_REC_VR_8
A_REC_VR_7
A_REC_VR_6
A_REC_VR_5
A_REC_VR_4
A_REC_VR_3
A_REC_VR_2
A_REC_VR_1
A_REC_VR_0
DA_WR_N
+A5VA_3
-A5VA_3
+A5VA_4
-A5VA_4
+6V
-6V
GND3
GND4
GNDB
DGND
HIGH
600

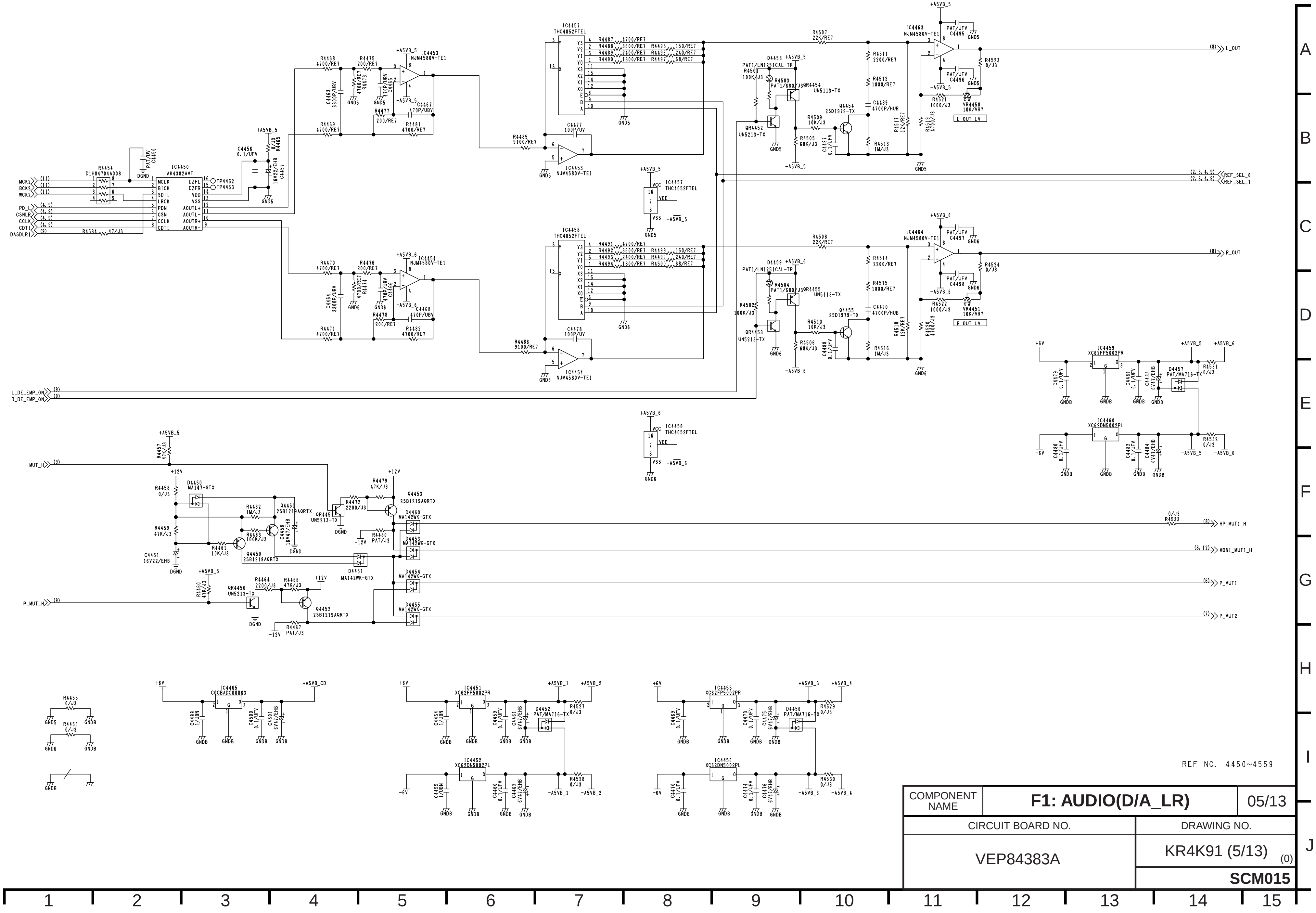
REF NO. 4200~4299

COMPONENT NAME	F1: AUDIO(INPUT_34)	03/13
CIRCUIT BOARD NO.	DRAWING NO.	
VEP84383A	KR4K91 (3/13) (0)	
	SCM013	


AD_CH1
AD_CH2
AD_CH3
AD_CH4
CH1 IN LV
CH2 IN LV
CH3 IN LV
CH4 IN LV
IC4301 NJM4580V-TE1
IC4302 NJM4580V-TE1
IC4303 NJM4580V-TE1
IC4304 NJM4580V-TE1
IC4306 AK4528VF
IC4307 AK4528VF
IC4300 COJBAZ001121 SN74LV541APWR
IC4308 C0CBABE00013
IC4309 NJM4580V-TE1
IC4310 NJM4580V-TE1
IC4311 NJM4580V-TE1
IC4312 NJM4580V-TE1
IC4313 THC4052FTEL
IC4314 THC4052FTEL
IC4315 THC4052FTEL
IC4316 THC4052FTEL
DA_CH1
DA_CH2
DA_CH3
DA_CH4
PD_L
CSN12
CCLK
CDTI
CSN34
REF_SEL_0
REF_SEL_1
MCK
WCK
BCK
DASD12
DASD34
ADSD12
ADSD34
TG4300 EYF6CU
+A5V
+5V
A
B
C
D
E
F
G
H
I
J
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15

REF NO. 4300~4449

COMPONENT NAME	F1: AUDIO(CODEC_12/34)	04/13
CIRCUIT BOARD NO.	DRAWING NO.	
VEP84383A	KR4K91 (4/13) (0)	
	SCM014	


MCK2
BCK2
WCK2
PD_L
CSNLR
CCLK
CDTI
DASDLR1
R4454
D1H84704A008
IC4450
AK4382AVT
MCLK
BICK
SDTI
LRCK
PDN
CSN
CCLK
CDTI
DZFL
DZFR
VDD
VSS
AOUTL+
AOUTL-
AOUTR+
AOUTR-
TP4452
TP4453
R4534 47/J3
C4450 PAT/UV
DGND
C4456 0.1/UFV
+A5VB_5
R4465 0/J3
C4457 16V22/EHB
GND5
R4468 4700/RE7
R4475 200/RE7
R4473 4700/RE7
C4463 3300P/UBV
C4465 470P/UBV
IC4453 NJM4580V-TE1
C4467 470P/UBV
R4477 200/RE7
R4469 4700/RE7
R4481 4700/RE7
-A5VB_5
IC4457 THC4052FTEL
R4487 4700/RE7
R4488 3600/RE7
R4489 2400/RE7
R4490 1800/RE7
R4495 150/RE7
R4496 240/RE7
R4497 68/RE7
R4485 9100/RE7
C4477 100P/UV
IC4458 THC4052FTEL
R4491 4700/RE7
R4492 3600/RE7
R4493 2400/RE7
R4494 1800/RE7
R4498 150/RE7
R4499 240/RE7
R4500 68/RE7
R4486 9100/RE7
C4478 100P/UV
IC4454 NJM4580V-TE1
R4470 4700/RE7
R4476 200/RE7
R4474 4700/RE7
C4464 3300P/UBV
C4466 470P/UBV
C4468 470P/UBV
R4478 200/RE7
R4471 4700/RE7
R4482 4700/RE7
GND6
-A5VB_6
+A5VB_6
R4507 22K/RE7
D4458 PAT1/LN1251CAL-TR
R4501 100K/J3
R4503 PAT1/680/J3
QR4454 UN5113-TX
QR4452 UN5213-TX
R4509 10K/J3
Q4454 2SD1979-TX
R4505 68K/J3
C4487 0.1/UFV
R4511 2200/RE7
R4512 1000/RE7
C4489 4700P/HUB
R4513 1M/J3
R4517 12K/RE7
R4519 4700/J3
IC4463 NJM4580V-TE1
C4495 PAT/UFV
C4496 PAT/UFV
R4521 1000/J3
VR4450 10K/VR7
L OUT LV
R4523 0/J3
(8) L_OUT
(2,3,4,9) REF_SEL_0
(2,3,4,9) REF_SEL_1
R4508 22K/RE7
D4459 PAT1/LN1251CAL-TR
R4502 100K/J3
R4504 PAT1/680/J3
QR4455 UN5113-TX
QR4453 UN5213-TX
R4510 10K/J3
Q4455 2SD1979-TX
R4506 68K/J3
C4488 0.1/UFV
R4514 2200/RE7
R4515 1000/RE7
C4490 4700P/HUB
R4516 1M/J3
R4518 12K/RE7
R4520 4700/J3
IC4464 NJM4580V-TE1
C4497 PAT/UFV
C4498 PAT/UFV
R4522 1000/J3
VR4451 10K/VR7
R OUT LV
R4524 0/J3
(8) R_OUT
L_DE_EMP_ON (9)
R_DE_EMP_ON (9)
+6V
IC4459 XC62FP5002PR
C4479 0.1/UFV
C4481 0.1/UFV
C4483 6V47/EHB
D4457 PAT/MA716-TX
R4531 0/J3
GNDB
IC4460 XC62DN5002PL
-6V
C4480 0.1/UFV
C4482 0.1/UFV
C4484 6V47/EHB
R4532 0/J3
MUT_H (9)
R4457 47K/J3
+12V
R4458 0/J3
D4450 MA147-GTX
R4459 47K/J3
C4451 16V22/EHB
R4462 1M/J3
Q4451 2SB1219AQRTX
R4463 100K/J3
R4461 10K/J3
Q4450 2SB1219AQRTX
C4458 16V47/EHB
D4451 MA142WK-GTX
QR4451 UN5213-TX
R4472 2200/J3
R4479 47K/J3
Q4453 2SB1219AQRTX
R4480 PAT/J3
-12V
D4460 MA142WK-GTX
D4453 MA142WK-GTX
D4454 MA142WK-GTX
D4455 MA142WK-GTX
R4533 0/J3
(8) HP_MUT1_H
(8,12) MONI_MUT1_H
(6) P_MUT1
(7) P_MUT2
P_MUT_H (9)
R4460 47K/J3
QR4450 UN5213-TX
R4464 2200/J3
R4466 47K/J3
Q4452 2SB1219AQRTX
R4467 PAT/J3
R4455 0/J3
R4456 0/J3
IC4465 C0CBADC00063
+A5VB_CD
C4499 1/UBN
C4500 0.1/UFV
C4501 6V47/EHB
IC4451 XC62FP5002PR
C4454 1/UBN
C4459 0.1/UFV
C4461 6V47/EHB
D4452 PAT/MA716-TX
R4527 0/J3
+A5VB_1
+A5VB_2
IC4452 XC62DN5002PL
C4455 1/UBN
C4460 0.1/UFV
C4462 6V47/EHB
R4528 0/J3
-A5VB_1
-A5VB_2
IC4455 XC62FP5002PR
C4469 0.1/UFV
C4473 0.1/UFV
C4475 6V47/EHB
D4456 PAT/MA716-TX
R4529 0/J3
+A5VB_3
+A5VB_4
IC4456 XC62DN5002PL
C4470 0.1/UFV
C4474 0.1/UFV
C4476 6V47/EHB
R4530 0/J3
-A5VB_3
-A5VB_4
A
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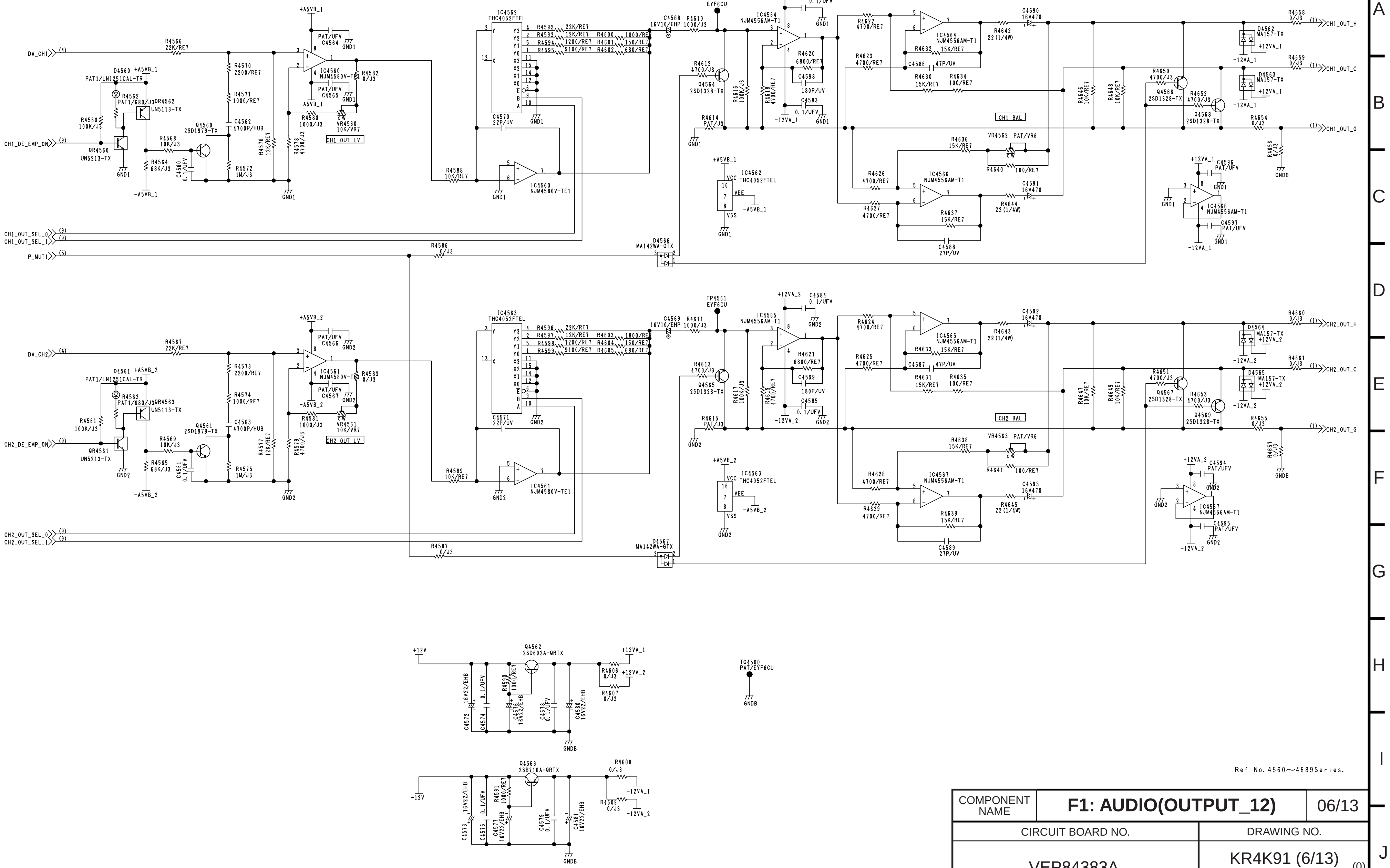
REF NO. 4450~4559

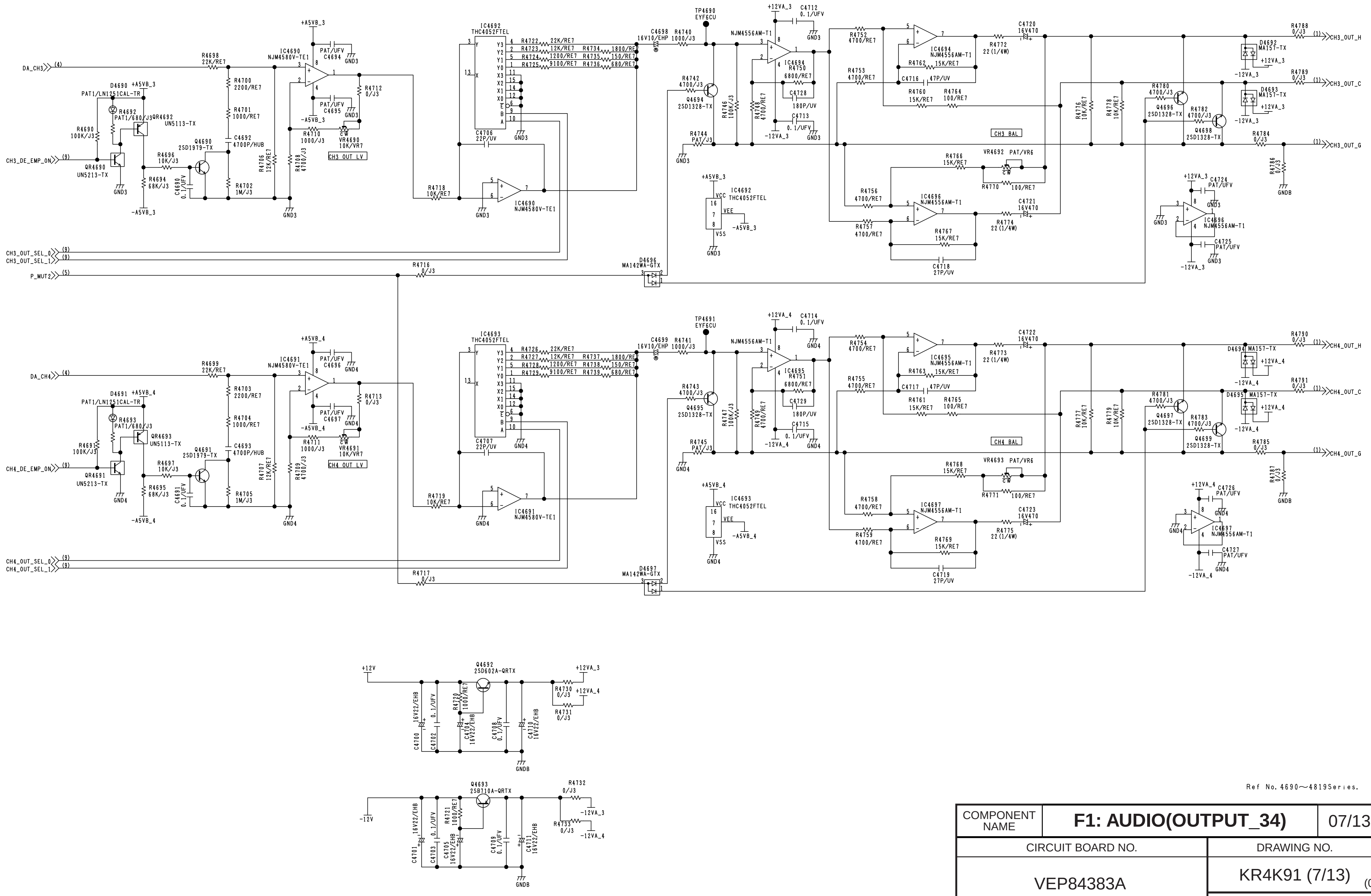
COMPONENT NAME	F1: AUDIO(D/A_LR)	05/13
CIRCUIT BOARD NO.	DRAWING NO.	
VEP84383A	KR4K91 (5/13) (0)	
	SCM015	



DA_CH1
CH1_DE_EMP_ON
CH1_OUT_SEL_0
CH1_OUT_SEL_1
P_MUT1
DA_CH2
CH2_DE_EMP_ON
CH2_OUT_SEL_0
CH2_OUT_SEL_1
CH1_OUT_H
CH1_OUT_C
CH1_OUT_G
CH2_OUT_H
CH2_OUT_C
CH2_OUT_G
IC4560 NJM4580V-TE1
IC4561 NJM4580V-TE1
IC4562 THC4052FTEL
IC4563 THC4052FTEL
IC4564 NJM4556AM-T1
IC4565 NJM4556AM-T1
IC4566 NJM4556AM-T1
IC4567 NJM4556AM-T1
Q4560 2SD1979-TX
Q4561 2SD1979-TX
Q4562 2SD602A-QRTX
Q4563 2SB710A-QRTX
Q4564 2SD1328-TX
Q4565 2SD1328-TX
Q4566 2SD1328-TX
Q4567 2SD1328-TX
Q4568 2SD1328-TX
Q4569 2SD1328-TX
QR4560 UN5213-TX
QR4561 UN5213-TX
QR4562 UN5113-TX
QR4563 UN5113-TX
D4560 PAT1/LN1251CAL-TR
D4561 PAT1/LN1251CAL-TR
D4562 MA157-TX
D4563 MA157-TX
D4564 MA157-TX
D4565 MA157-TX
D4566 MA142WA-GTX
D4567 MA142WA-GTX
VR4560 10K/VR7
VR4561 10K/VR7
VR4562 PAT/VR6
VR4563 PAT/VR6
TP4560 EYF6CU
TP4561 EYF6CU
TG4500 PAT/EYF6CU
CH1 OUT LV
CH2 OUT LV
CH1 BAL
CH2 BAL
+A5VB_1
-A5VB_1
+A5VB_2
-A5VB_2
+12VA_1
-12VA_1
+12VA_2
-12VA_2
+12V
-12V
GND1
GND2
GNDB

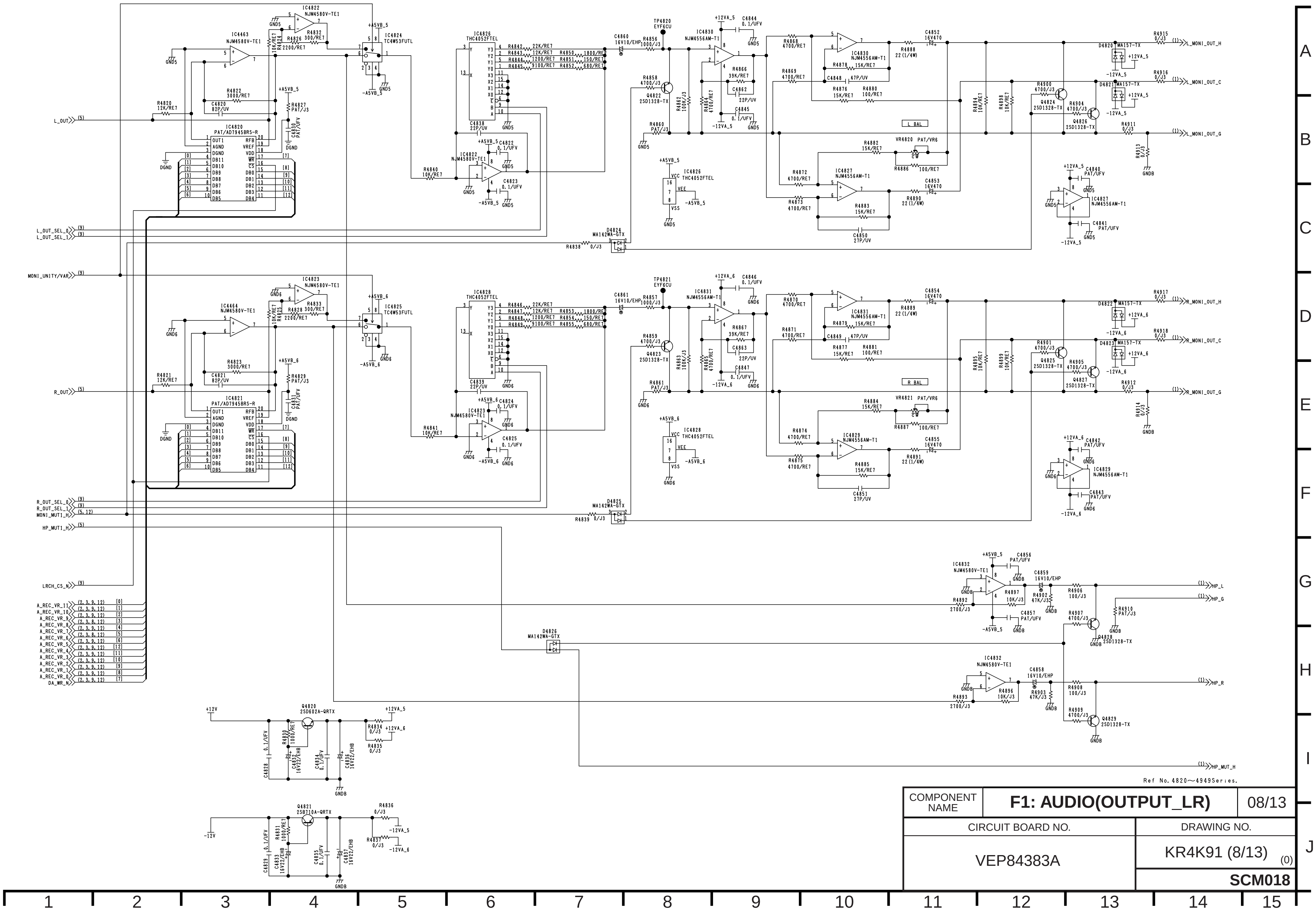
Ref No.4560～4689Series.

COMPONENT NAME	F1: AUDIO(OUTPUT_12)	06/13
CIRCUIT BOARD NO.	DRAWING NO.	
VEP84383A	KR4K91 (6/13) (0)	
	SCM016	


DA_CH3
CH3_DE_EMP_ON
CH3_OUT_SEL_0
CH3_OUT_SEL_1
P_MUT2
DA_CH4
CH4_DE_EMP_ON
CH4_OUT_SEL_0
CH4_OUT_SEL_1
IC4690 NJM4580V-TE1
IC4691 NJM4580V-TE1
IC4692 THC4052FTEL
IC4693 THC4052FTEL
IC4694 NJM4556AM-T1
IC4695 NJM4556AM-T1
IC4696 NJM4556AM-T1
IC4697 NJM4556AM-T1
TP4690 EYF6CU
TP4691 EYF6CU
Q4690 2SD1979-TX
Q4691 2SD1979-TX
Q4692 2SD602A-QRTX
Q4693 2SB710A-QRTX
Q4694 2SD1328-TX
Q4695 2SD1328-TX
Q4696 2SD1328-TX
Q4697 2SD1328-TX
Q4698 2SD1328-TX
Q4699 2SD1328-TX
QR4690 UN5213-TX
QR4691 UN5213-TX
QR4692 UN5113-TX
QR4693 UN5113-TX
D4690 PAT1/LN1251CAL-TR
D4691 PAT1/LN1251CAL-TR
D4692 MA157-TX
D4693 MA157-TX
D4694 MA157-TX
D4695 MA157-TX
D4696 MA142WA-GTX
D4697 MA142WA-GTX
VR4690 10K/VR7
VR4691 10K/VR7
VR4692 PAT/VR6
VR4693 PAT/VR6
CH3 OUT LV
CH4 OUT LV
CH3 BAL
CH4 BAL
CH3_OUT_H
CH3_OUT_C
CH3_OUT_G
CH4_OUT_H
CH4_OUT_C
CH4_OUT_G
+A5VB_3
-A5VB_3
+A5VB_4
-A5VB_4
+12VA_3
-12VA_3
+12VA_4
-12VA_4
+12V
-12V
GND3
GND4
GNDB

Ref No.4690～4819Series.

COMPONENT NAME	F1: AUDIO(OUTPUT_34)	07/13
CIRCUIT BOARD NO.	DRAWING NO.	
VEP84383A	KR4K91 (7/13) (0)	
	SCM017	


L_OUT
L_OUT_SEL_0
L_OUT_SEL_1
MONI_UNITY/VAR
R_OUT
R_OUT_SEL_0
R_OUT_SEL_1
MONI_MUTI_H
HP_MUTI_H
LRCH_CS_N
A_REC_VR_11
A_REC_VR_10
A_REC_VR_9
A_REC_VR_8
A_REC_VR_7
A_REC_VR_6
A_REC_VR_5
A_REC_VR_4
A_REC_VR_3
A_REC_VR_2
A_REC_VR_1
A_REC_VR_0
DA_WR_N
IC4463
NJM4580V-TE1
IC4822
IC4824
TC4W53FUTL
IC4826
THC4052FTEL
IC4820
PAT/AD7945BRS-R
IC4464
IC4823
IC4825
IC4828
IC4821
IC4830
NJM4556AM-T1
IC4831
IC4827
IC4829
IC4832
TP4820
EYF6CU
TP4821
Q4822
Q4823
2SD1328-TX
Q4824
Q4825
Q4826
Q4827
Q4828
Q4829
D4820
D4821
D4822
D4823
MA157-TX
D4824
D4825
D4826
MA142WA-GTX
VR4820
VR4821
PAT/VR6
L BAL
R BAL
L_MONI_OUT_H
L_MONI_OUT_C
L_MONI_OUT_G
R_MONI_OUT_H
R_MONI_OUT_C
R_MONI_OUT_G
HP_L
HP_G
HP_R
HP_MUT_H
Q4820
2SD602A-QRTX
Q4821
2SB710A-QRTX
+12V
-12V
+12VA_5
+12VA_6
-12VA_5
-12VA_6
+A5VB_5
+A5VB_6
-A5VB_5
-A5VB_6
GND5
GND6
GNDB
DGND
A
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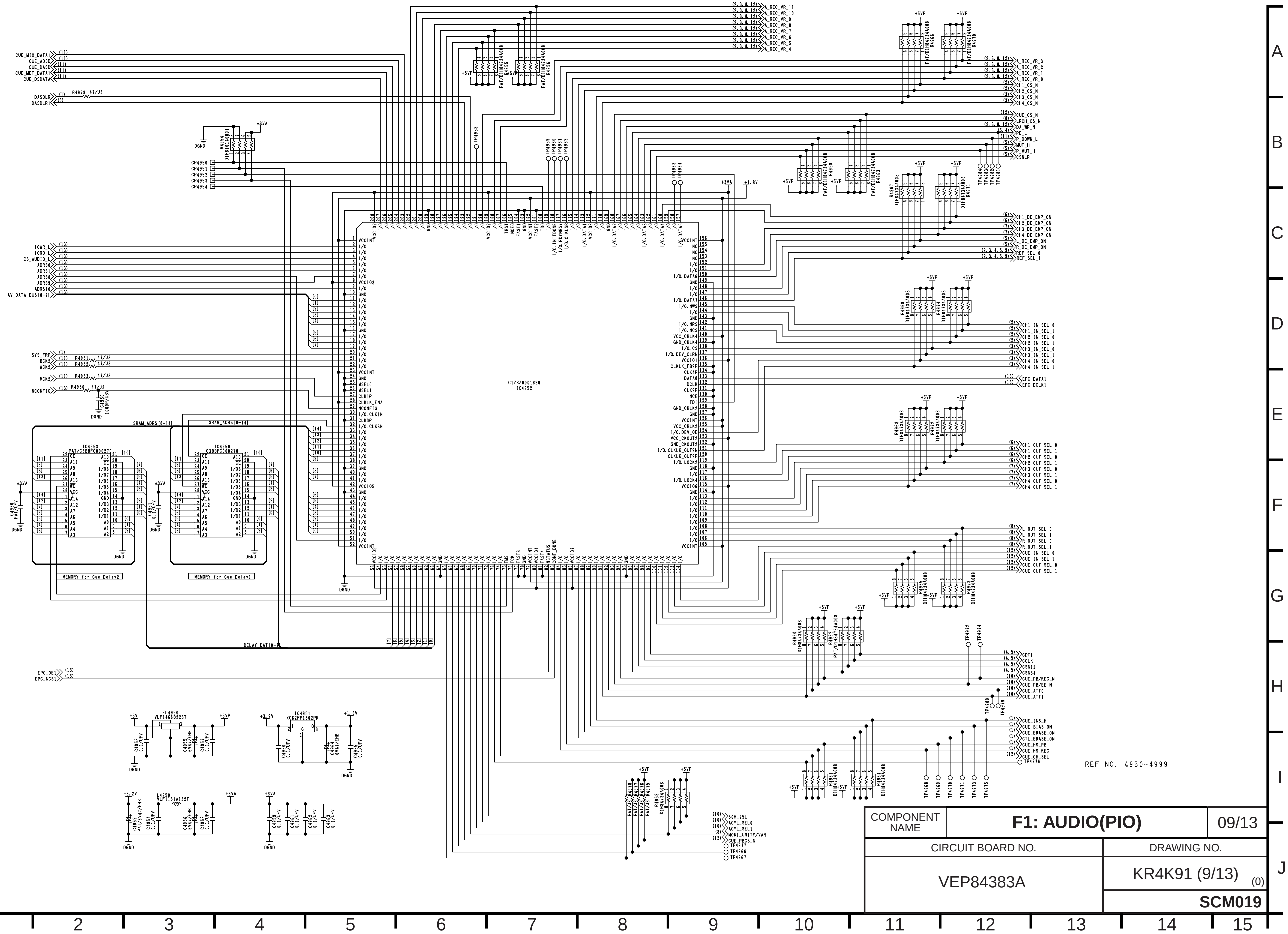
Ref No.4820～4949Series.

COMPONENT NAME	F1: AUDIO(OUTPUT_LR)	08/13
CIRCUIT BOARD NO.	DRAWING NO.	
VEP84383A	KR4K91 (8/13) (0)	
	SCM018	


C1ZBZ0001836
IC4952
IC4953
PAT/C3BFC000270
IC4950
C3BFC000270
MEMORY for Cue Delay2
MEMORY for Cue Delay1
SRAM_ADRS[0-14]
DELAY_DAT[0-7]
AV_DATA_BUS[0-7]
CUE_MIX_DATA1
CUE_ADSD
CUE_DASD
CUE_MET_DATA1
CUE_DSDATA
DASDLR
DASDLR1
IOWR_L
IORD_L
CS_AUDIO_L
ADRS0
ADRS1
ADRS8
ADRS9
ADRS10
SYS_FRP
BCK2
WCK2
MCK2
NCONFIG
EPC_OE1
EPC_NCS1
CP4950
CP4951
CP4952
CP4953
CP4954
A_REC_VR_11
A_REC_VR_10
A_REC_VR_9
A_REC_VR_8
A_REC_VR_7
A_REC_VR_6
A_REC_VR_5
A_REC_VR_4
A_REC_VR_3
A_REC_VR_2
A_REC_VR_1
A_REC_VR_0
CH1_CS_N
CH2_CS_N
CH3_CS_N
CH4_CS_N
CUE_CS_N
LRCH_CS_N
DA_WR_N
PD_L
P_DOWN_L
MUT_H
P_MUT_H
CSNLR
CH1_DE_EMP_ON
CH2_DE_EMP_ON
CH3_DE_EMP_ON
CH4_DE_EMP_ON
L_DE_EMP_ON
R_DE_EMP_ON
REF_SEL_0
REF_SEL_1
CH1_IN_SEL_0
CH1_IN_SEL_1
CH2_IN_SEL_0
CH2_IN_SEL_1
CH3_IN_SEL_0
CH3_IN_SEL_1
CH4_IN_SEL_0
CH4_IN_SEL_1
EPC_DATA1
EPC_DCLK1
CH1_OUT_SEL_0
CH1_OUT_SEL_1
CH2_OUT_SEL_0
CH2_OUT_SEL_1
CH3_OUT_SEL_0
CH3_OUT_SEL_1
CH4_OUT_SEL_0
CH4_OUT_SEL_1
L_OUT_SEL_0
L_OUT_SEL_1
R_OUT_SEL_0
R_OUT_SEL_1
CUE_IN_SEL_0
CUE_IN_SEL_1
CUE_OUT_SEL_0
CUE_OUT_SEL_1
CDT1
CCLK
CSN12
CSN34
CUE_PB/REC_N
CUE_PB/EE_N
CUE_ATT0
CUE_ATT1
CUE_INS_H
CUE_BIAS_ON
CUE_ERASE_ON
CTL_ERASE_ON
CUE_HS_PB
CUE_HS_REC
CUE_CH_SEL
TP4976
50H_25L
ACYL_SEL0
ACYL_SEL1
MONI_UNITY/VAR
CUE_PBCS_N
TP4977
TP4966
TP4967
FL4950
VLF1466B223T
IC4951
XC62FP1802PR
L4950
VLF1151A132T
+5V
+5VP
+3.2V
+3VA
+1.8V
DGND
REF NO. 4950~4999
1
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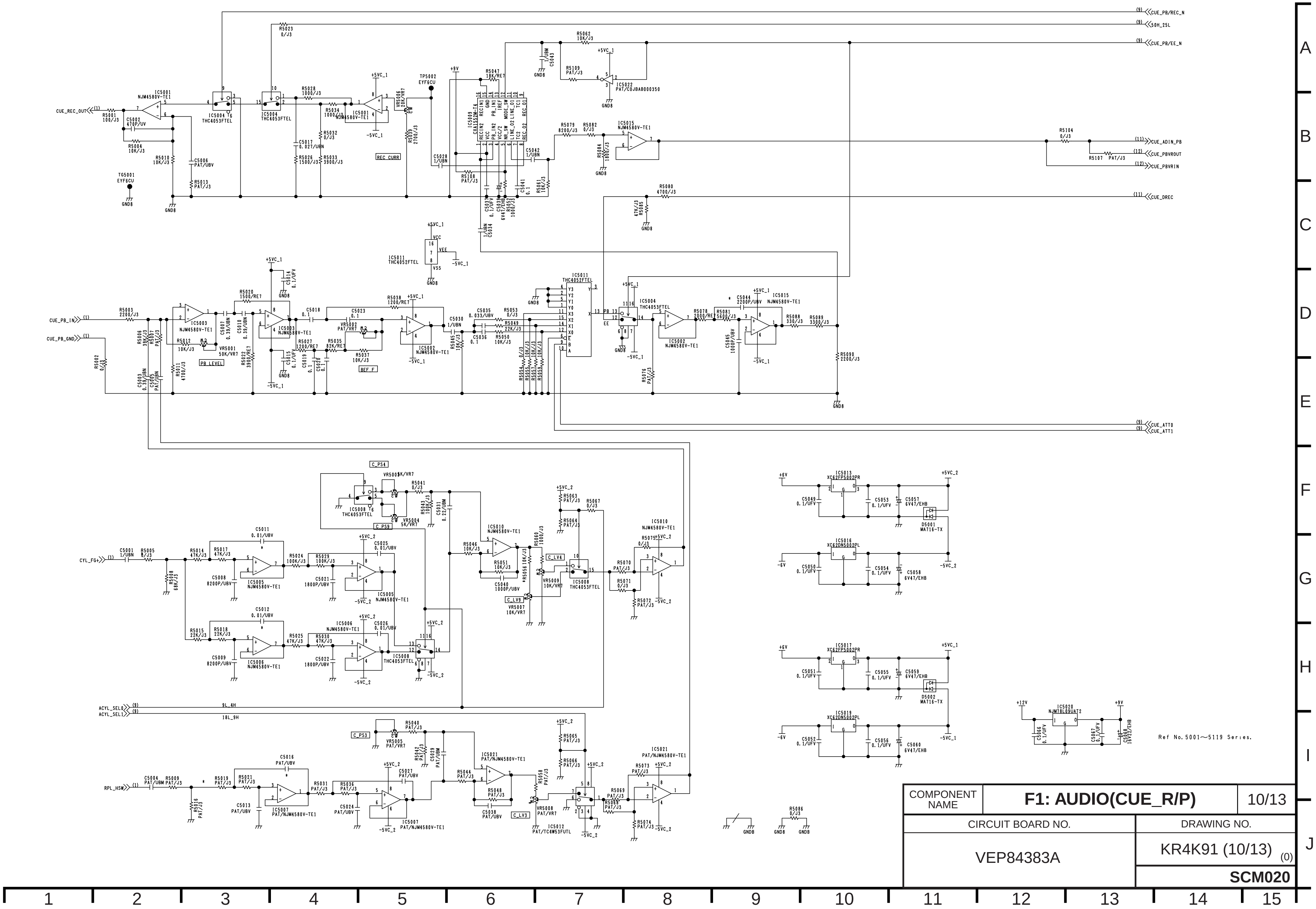
COMPONENT NAME	F1: AUDIO(PIO)	09/13

CIRCUIT BOARD NO.	DRAWING NO.
VEP84383A	KR4K91 (9/13) (0)
	SCM019
]


CUE_PB/REC_N
50H_25L
CUE_PB/EE_N
CUE_REC_OUT
CUE_ADIN_PB
CUE_PBVROUT
CUE_PBVRIN
CUE_DREC
CUE_PB_IN
CUE_PB_GND
CUE_ATT0
CUE_ATT1
CYL_FG+
ACYL_SEL0
ACYL_SEL1
9L_4H
18L_9H
RPL_HSW
IC5001 NJM4580V-TE1
IC5004 THC4053FTEL
IC5009 CXA1552M-T4
IC5022 PAT/COJBAB000350
IC5015 NJM4580V-TE1
IC5011 THC4052FTEL
IC5003 NJM4580V-TE1
IC5002 NJM4580V-TE1
IC5005 NJM4580V-TE1
IC5006 NJM4580V-TE1
IC5008 THC4053FTEL
IC5010 NJM4580V-TE1
IC5007 PAT/NJM4580V-TE1
IC5021 PAT/NJM4580V-TE1
IC5012 PAT/TC4W53FUTL
IC5013 XC62FP5002PR
IC5016 XC62DN5002PL
IC5017 XC62FP5002PR
IC5019 XC62DN5002PL
IC5020 NJM78L09UAT2
D5001 MA716-TX
D5002 MA716-TX
TP5002 EYF6CU
TG5001 EYF6CU
REC CURR
PB LEVEL
REF F
C_PS4
C_PS9
C_PS3
C_LV4
C_LV9
C_LV3
+5VC_1
-5VC_1
+5VC_2
-5VC_2
+9V
+12V
+6V
-6V
GND8
Ref No.5001～5119 Series.
A
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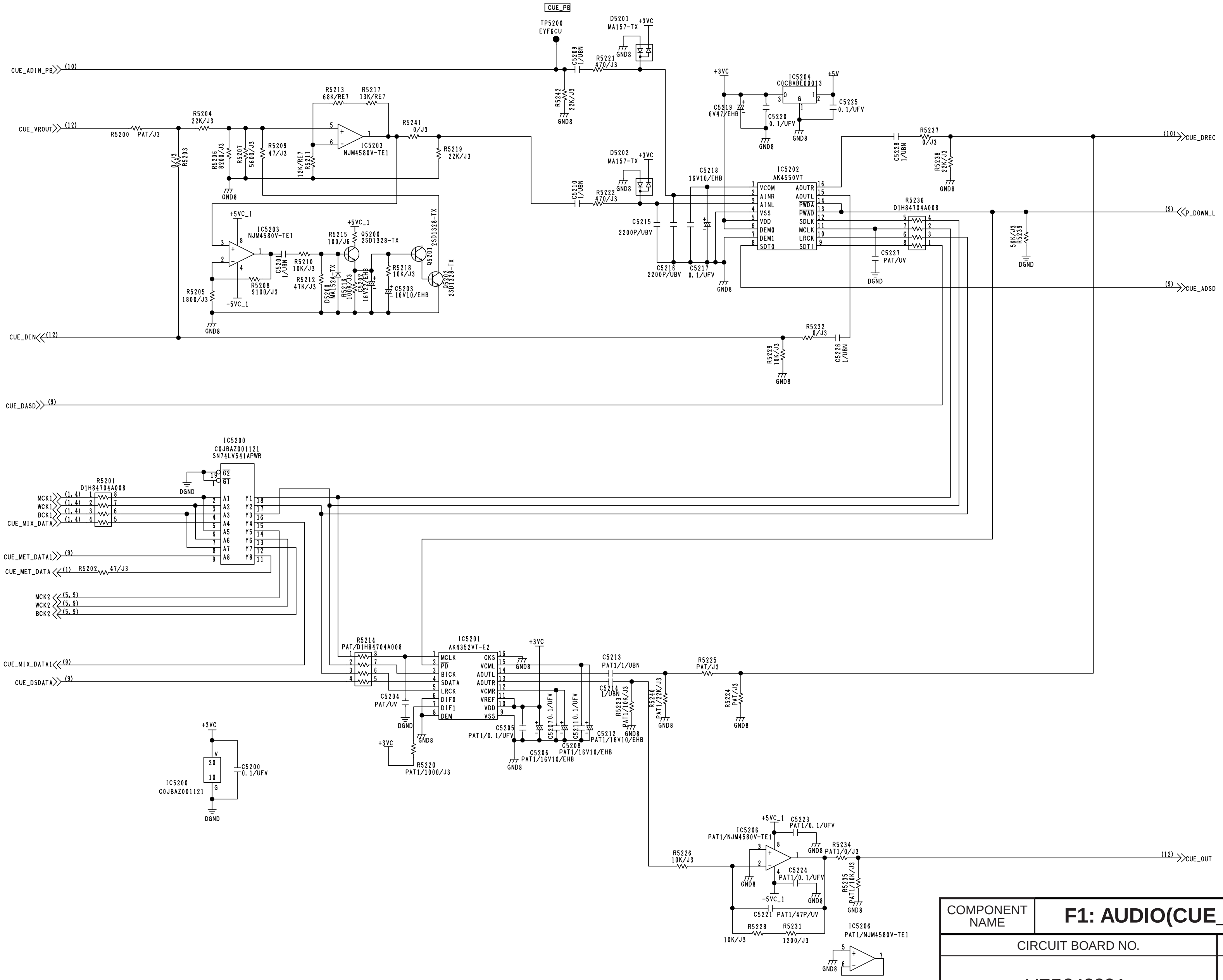
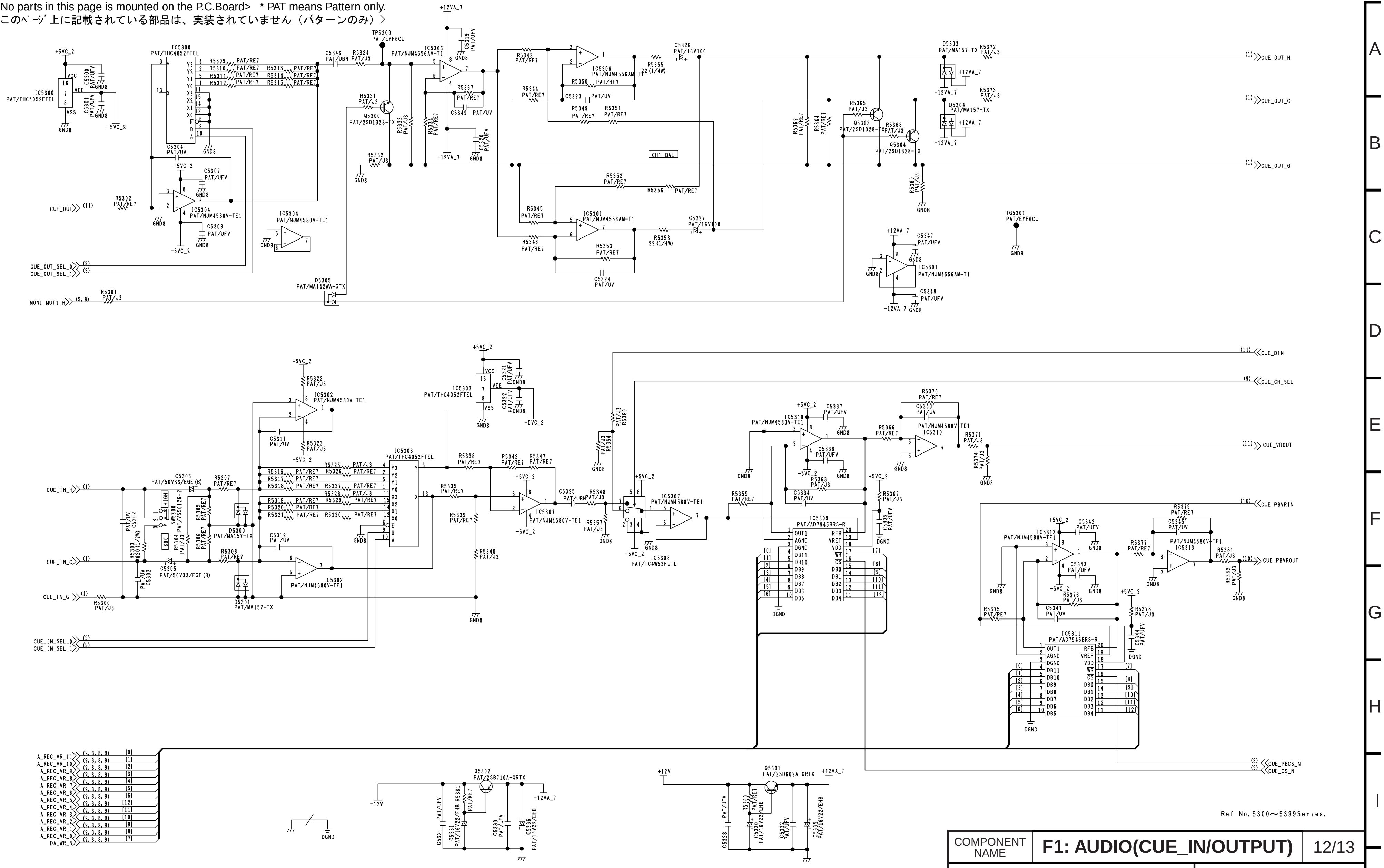
COMPONENT NAME	F1: AUDIO(CUE_R/P)	10/13
CIRCUIT BOARD NO.	DRAWING NO.	
VEP84383A	KR4K91 (10/13) (0)	
	SCM020	


CUE_PB
TP5200
EYF6CU
CUE_ADIN_PB (10)
CUE_VROUT (12)
CUE_DIN (12)
CUE_DASD (9)
CUE_DREC (10)
P_DOWN_L (9)
CUE_ADSD (9)
CUE_OUT (12)
MCK1 (1,4)
WCK1 (1,4)
BCK1 (1,4)
CUE_MIX_DATA (1,4)
CUE_MET_DATA1 (9)
CUE_MET_DATA (1)
MCK2 (5,9)
WCK2 (5,9)
BCK2 (5,9)
CUE_MIX_DATA1 (9)
CUE_DSDATA (9)
IC5200
C0JBAZ001121
SN74LV541APWR
IC5201
AK4352VT-E2
IC5202
AK4550VT
IC5203
NJM4580V-TE1
IC5204
C0CBABE00013
IC5206
PAT1/NJM4580V-TE1
D5201
MA157-TX
D5202
MA157-TX
Q5200
2SD1328-TX
Q5201
2SD1328-TX
Q5202
2SD1328-TX
D5200
MA152A-TX
R5201
D1H84704A008
R5214
PAT/D1H84704A008
R5236
D1H84704A008
+3VC
+5V
+5VC_1
-5VC_1
GND8
DGND

Ref No. 5200～5299 Series.

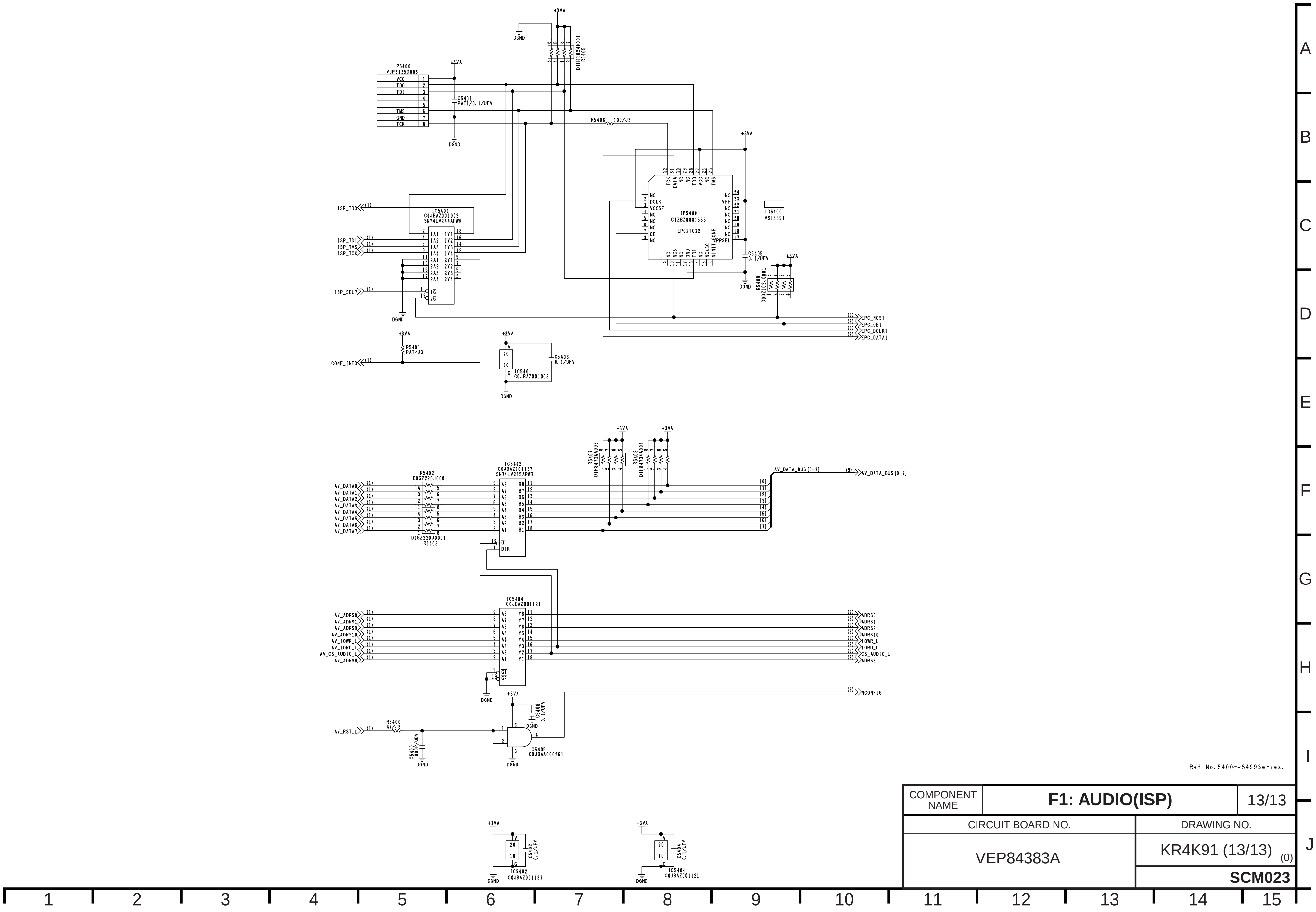
COMPONENT NAME	F1: AUDIO(CUE_CODEC)	11/13
CIRCUIT BOARD NO.	DRAWING NO.	
VEP84383A	KR4K91 (11/13) (0)	
	SCM021	

<No parts in this page is mounted on the P.C.Board> * PAT means Pattern only.
〈このﾍﾟｰｼﾞ上に記載されている部品は、実装されていません（パターンのみ）〉


CUE_OUT
CUE_OUT_SEL_0
CUE_OUT_SEL_1
MONI_MUT1_H
CUE_OUT_H
CUE_OUT_C
CUE_OUT_G
CH1 BAL
CUE_DIN
CUE_CH_SEL
CUE_VROUT
CUE_PBVRIN
CUE_PBVROUT
CUE_IN_H
CUE_IN_C
CUE_IN_G
CUE_IN_SEL_0
CUE_IN_SEL_1
CUE_PBCS_N
CUE_CS_N
A_REC_VR_11
A_REC_VR_10
A_REC_VR_9
A_REC_VR_8
A_REC_VR_7
A_REC_VR_6
A_REC_VR_5
A_REC_VR_4
A_REC_VR_3
A_REC_VR_2
A_REC_VR_1
A_REC_VR_0
DA_WR_N
IC5300 PAT/THC4052FTEL
IC5301 PAT/NJM4556AM-T1
IC5302 PAT/NJM4580V-TE1
IC5303 PAT/THC4052FTEL
IC5304 PAT/NJM4580V-TE1
IC5306 PAT/NJM4556AM-T1
IC5307 PAT/NJM4580V-TE1
IC5308 PAT/TC4W53FUTL
IC5309 PAT/AD7945BRS-R
IC5310 PAT/NJM4580V-TE1
IC5311 PAT/AD7945BRS-R
IC5313 PAT/NJM4580V-TE1
Q5300 PAT/2SD1328-TX
Q5301 PAT/2SD602A-QRTX
Q5302 PAT/2SB710A-QRTX
Q5303 PAT/2SD1328-TX
Q5304 PAT/2SD1328-TX
D5300 PAT/MA157-TX
D5301 PAT/MA157-TX
D5303 PAT/MA157-TX
D5304 PAT/MA157-TX
D5305 PAT/MA142WA-GTX
SW5300 PAT/VS50126-2
TP5300 PAT/EYF6CU
TG5301 PAT/EYF6CU
+5VC_2
-5VC_2
+12VA_7
-12VA_7
+12V
-12V
GND8
DGND
A B C D E F G H I J
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

Ref No.5300～5399Series.

COMPONENT NAME	F1: AUDIO(CUE_IN/OUTPUT)	12/13
CIRCUIT BOARD NO.	DRAWING NO.	
VEP84383A	KR4K91 (12/13) (0)	
	SCM022	


A
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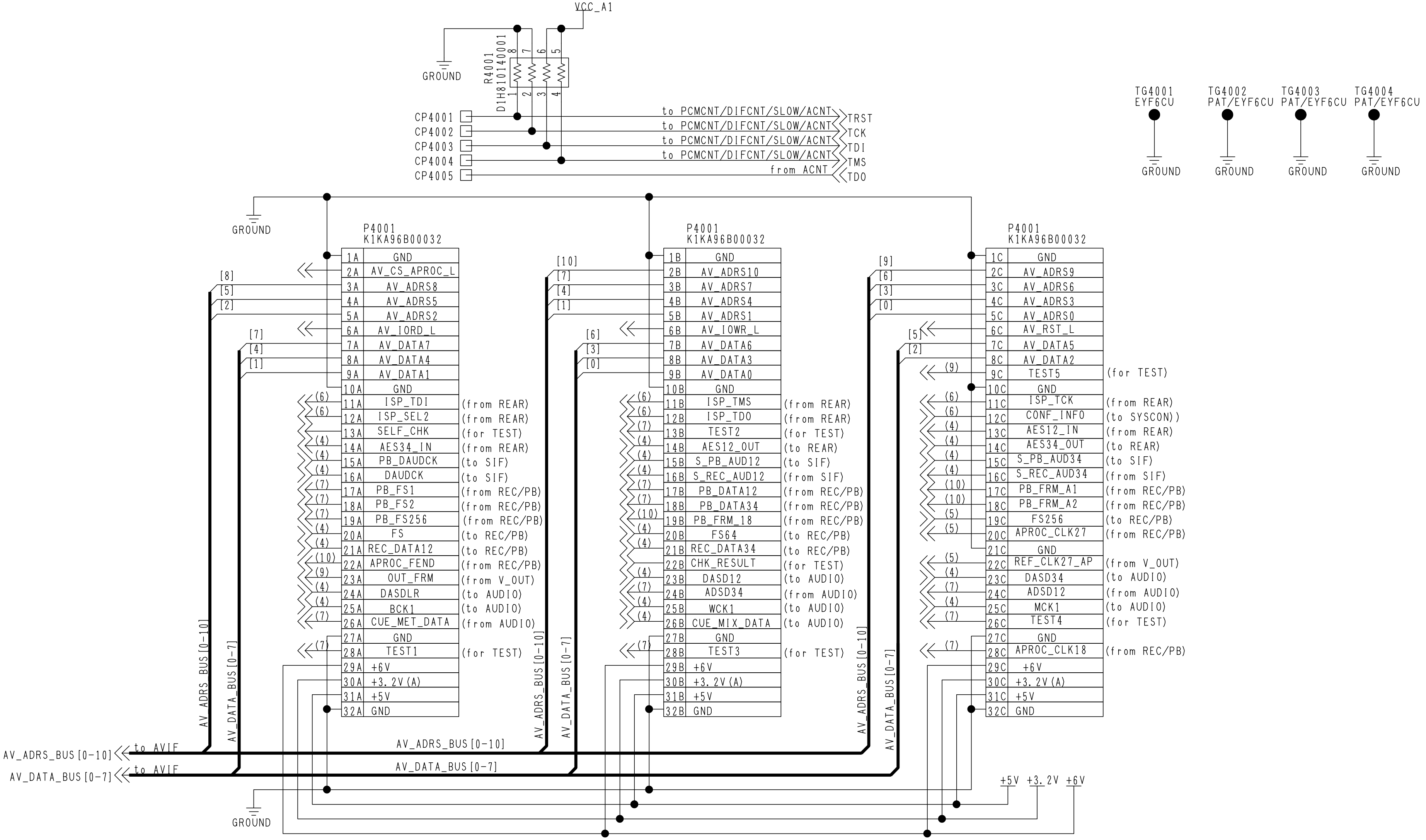
11
12
13
14
15
+3VA
DGND
D1H810240001
R5405
P5400
VJP3125D008
VCC
TDO
TDI
TMS
GND
TCK
C5401
PAT1/0.1/UFV
R5406 100/J3
ISP_TDO
ISP_TDI
ISP_TMS
ISP_TCK
ISP_SEL7
(1)
IC5401
C0JBAZ001003
SN74LV244APWR
1A1
1A2
1A3
1A4
2A1
2A2
2A3
2A4
1Y1
1Y2
1Y3
1Y4
2Y1
2Y2
2Y3
2Y4
1G
2G
R5401
PAT/J3
CONF_INFO
C5403
0.1/UFV
IP5400
C1ZBZ0001555
EPC2TC32
TCK
DATA
NC
TDO
VCC
TMS
DCLK
VCCSEL
OE
VPP
VPPSEL
NCS
GND
TDI
NCASC
NINIT_CONF
ID5400
VSI3891
C5405
0.1/UFV
R5409
D0GZ103J0001
(9)
EPC_NCS1
EPC_OE1
EPC_DCLK1
EPC_DATA1
R5407
D1H84734A008
R5408
D1H84734A008
R5402
D0GZ220J0001
R5403
IC5402
C0JBAZ001137
SN74LV245APWR
AV_DATA0
AV_DATA1
AV_DATA2
AV_DATA3
AV_DATA4
AV_DATA5
AV_DATA6
AV_DATA7
DIR
AV_DATA_BUS[0-7]
[0]
[1]
[2]
[3]
[4]
[5]
[6]
[7]
IC5404
C0JBAZ001121
AV_ADRS0
AV_ADRS1
AV_ADRS9
AV_ADRS10
AV_IOWR_L
AV_IORD_L
AV_CS_AUDIO_L
AV_ADRS8
ADRS0
ADRS1
ADRS9
ADRS10
IOWR_L
IORD_L
CS_AUDIO_L
ADRS8
G1
G2
NCONFIG
C5406
0.1/UFV
AV_RST_L
R5400
47/J3
C5400
1000P/UBV
IC5405
C0JBAA000261
C5402
0.1/UFV
C5404
0.1/UFV

Ref No.5400～5499Series.

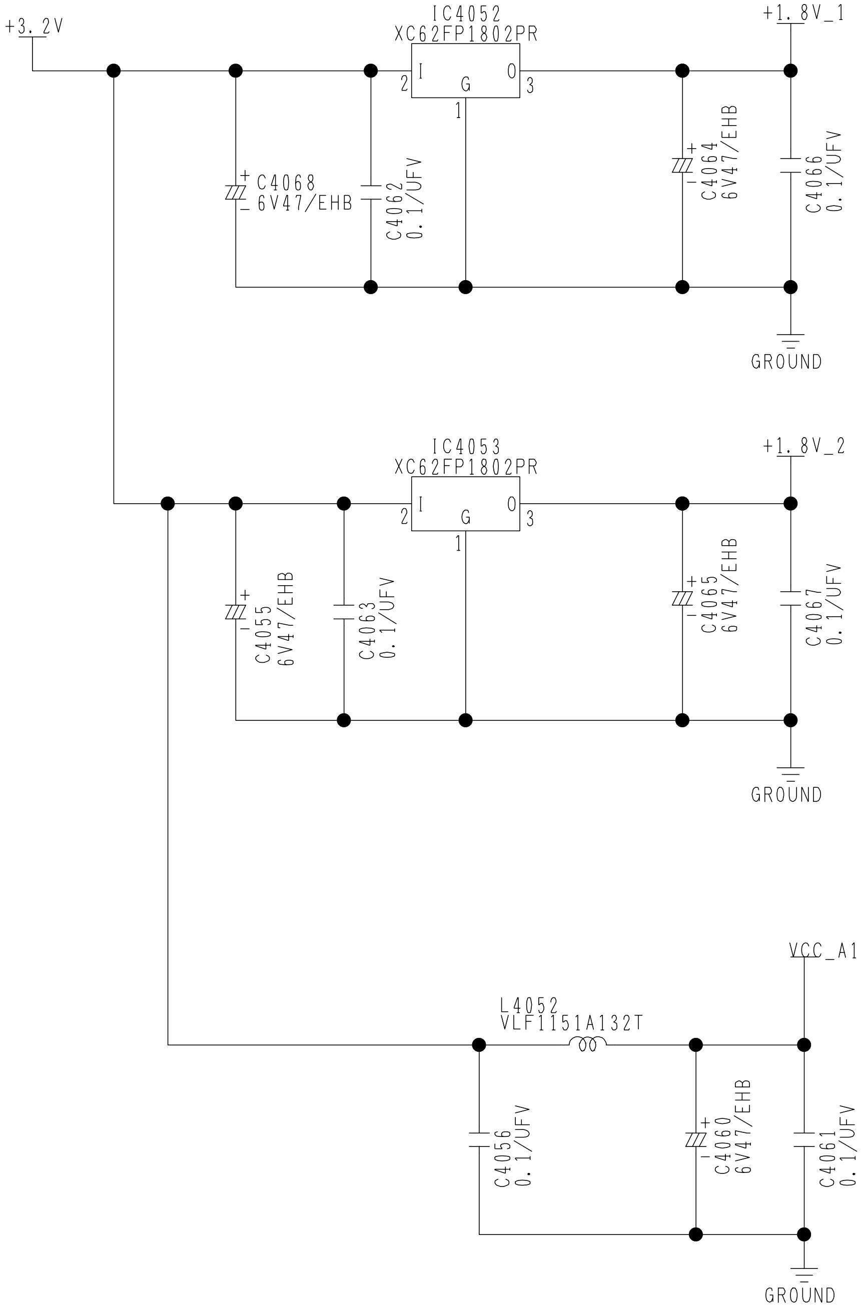
COMPONENT NAME	**F1: AUDIO(ISP)**	13/13

CIRCUIT BOARD NO.	DRAWING NO.
VEP84383A	KR4K91 (13/13) (0)
	SCM023


VCC_A1
R4001
D1H810140001
GROUND
CP4001
CP4002
CP4003
CP4004
CP4005
to PCMCNT/DIFCNT/SLOW/ACNT TRST
to PCMCNT/DIFCNT/SLOW/ACNT TCK
to PCMCNT/DIFCNT/SLOW/ACNT TDI
to PCMCNT/DIFCNT/SLOW/ACNT TMS
from ACNT TDO
TG4001 EYF6CU
TG4002 PAT/EYF6CU
TG4003 PAT/EYF6CU
TG4004 PAT/EYF6CU
P4001 K1KA96B00032
1A GND
2A AV_CS_APROC_L
3A AV_ADRS8 [8]
4A AV_ADRS5 [5]
5A AV_ADRS2 [2]
6A AV_IORD_L
7A AV_DATA7 [7]
8A AV_DATA4 [4]
9A AV_DATA1 [1]
10A GND
11A ISP_TDI (6) (from REAR)
12A ISP_SEL2 (6) (from REAR)
13A SELF_CHK (for TEST)
14A AES34_IN (4) (from REAR)
15A PB_DAUDCK (4) (to SIF)
16A DAUDCK (4) (to SIF)
17A PB_FS1 (7) (from REC/PB)
18A PB_FS2 (7) (from REC/PB)
19A PB_FS256 (7) (from REC/PB)
20A FS (4) (to REC/PB)
21A REC_DATA12 (4) (to REC/PB)
22A APROC_FEND (10) (from REC/PB)
23A OUT_FRM (9) (from V_OUT)
24A DASDLR (4) (to AUDIO)
25A BCK1 (4) (to AUDIO)
26A CUE_MET_DATA (7) (from AUDIO)
27A GND
28A TEST1 (7) (for TEST)
29A +6V
30A +3.2V(A)
31A +5V
32A GND
1B GND
2B AV_ADRS10 [10]
3B AV_ADRS7 [7]
4B AV_ADRS4 [4]
5B AV_ADRS1 [1]
6B AV_IOWR_L
7B AV_DATA6 [6]
8B AV_DATA3 [3]
9B AV_DATA0 [0]
10B GND
11B ISP_TMS (6) (from REAR)
12B ISP_TDO (6) (from REAR)
13B TEST2 (7) (for TEST)
14B AES12_OUT (4) (to REAR)
15B S_PB_AUD12 (4) (to SIF)
16B S_REC_AUD12 (4) (from SIF)
17B PB_DATA12 (7) (from REC/PB)
18B PB_DATA34 (7) (from REC/PB)
19B PB_FRM_18 (10) (from REC/PB)
20B FS64 (4) (to REC/PB)
21B REC_DATA34 (4) (to REC/PB)
22B CHK_RESULT (for TEST)
23B DASD12 (4) (to AUDIO)
24B ADSD34 (7) (from AUDIO)
25B WCK1 (4) (to AUDIO)
26B CUE_MIX_DATA (4) (to AUDIO)
27B GND
28B TEST3 (7) (for TEST)
29B +6V
30B +3.2V(A)
31B +5V
32B GND
1C GND
2C AV_ADRS9 [9]
3C AV_ADRS6 [6]
4C AV_ADRS3 [3]
5C AV_ADRS0 [0]
6C AV_RST_L
7C AV_DATA5 [5]
8C AV_DATA2 [2]
9C TEST5 (9) (for TEST)
10C GND
11C ISP_TCK (6) (from REAR)
12C CONF_INFO (6) (to SYSCON))
13C AES12_IN (4) (from REAR)
14C AES34_OUT (4) (to REAR)
15C S_PB_AUD34 (4) (to SIF)
16C S_REC_AUD34 (4) (from SIF)
17C PB_FRM_A1 (10) (from REC/PB)
18C PB_FRM_A2 (10) (from REC/PB)
19C FS256 (5) (to REC/PB)
20C APROC_CLK27 (5) (from REC/PB)
21C GND
22C REF_CLK27_AP (5) (from V_OUT)
23C DASD34 (4) (to AUDIO)
24C ADSD12 (7) (from AUDIO)
25C MCK1 (4) (to AUDIO)
26C TEST4 (7) (for TEST)
27C GND
28C APROC_CLK18 (7) (from REC/PB)
29C +6V
30C +3.2V(A)
31C +5V
32C GND
AV_ADRS_BUS[0-10]
AV_DATA_BUS[0-7]
AV_ADRS_BUS[0-10] to AVIF
AV_DATA_BUS[0-7] to AVIF
+5V
+3.2V
+6V
GROUND

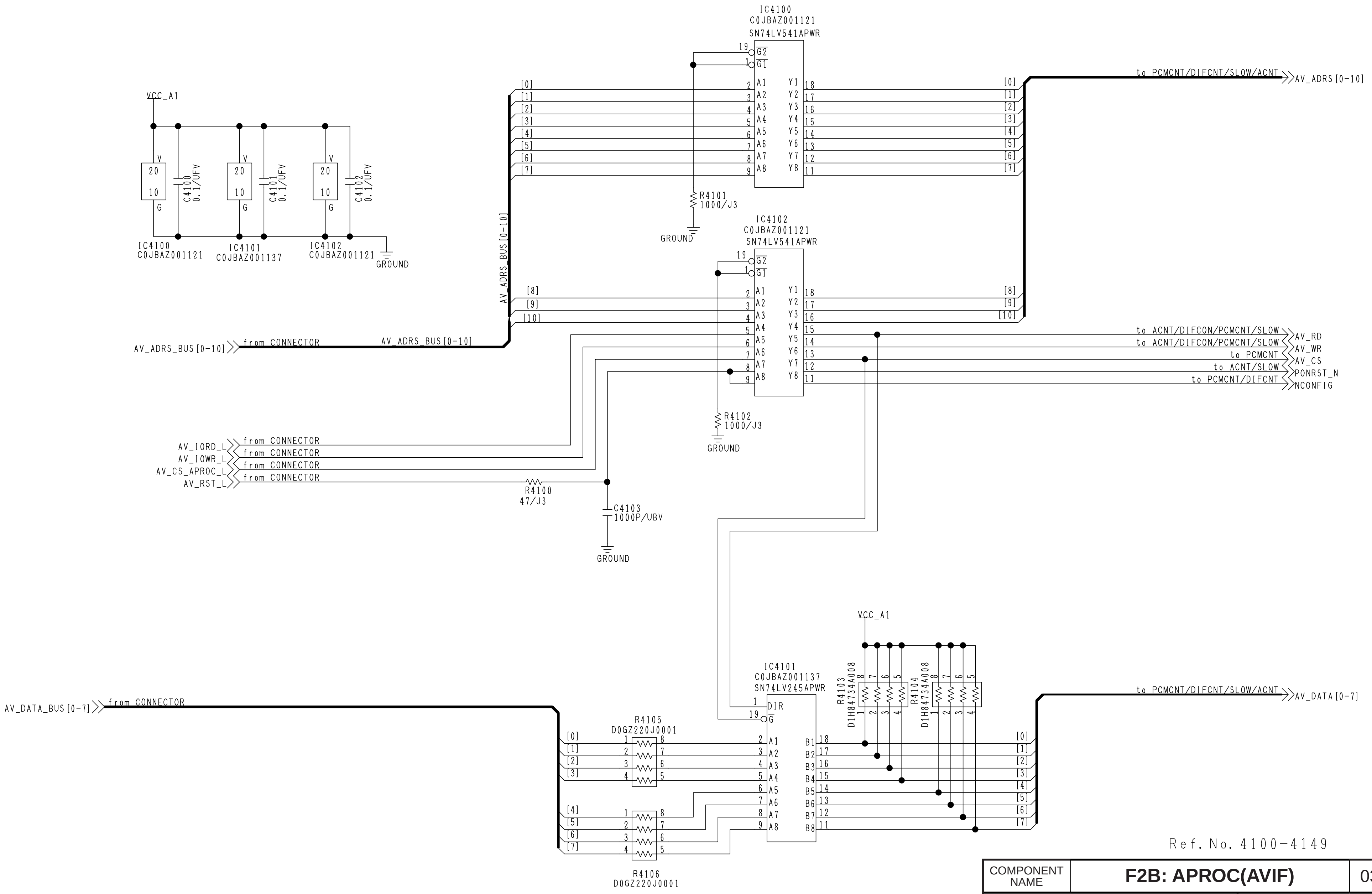
Ref. No. 4001-4050

COMPONENT NAME	F2B: APROC(CONNECTOR)	01/12
CIRCUIT BOARD NO.	DRAWING NO.	
VEP84384A	KR4K92 (1/12) (0)	
	SCM024	


+3.2V
IC4052
XC62FP1802PR
I
G
O
2
3
1
+1.8V_1
C4068
6V47/EHB
C4062
0.1/UFV
C4064
6V47/EHB
C4066
0.1/UFV
GROUND
IC4053
XC62FP1802PR
I
G
O
2
3
1
+1.8V_2
C4055
6V47/EHB
C4063
0.1/UFV
C4065
6V47/EHB
C4067
0.1/UFV
GROUND
VCC_A1
L4052
VLF1151A132T
C4056
0.1/UFV
C4060
6V47/EHB
C4061
0.1/UFV
GROUND

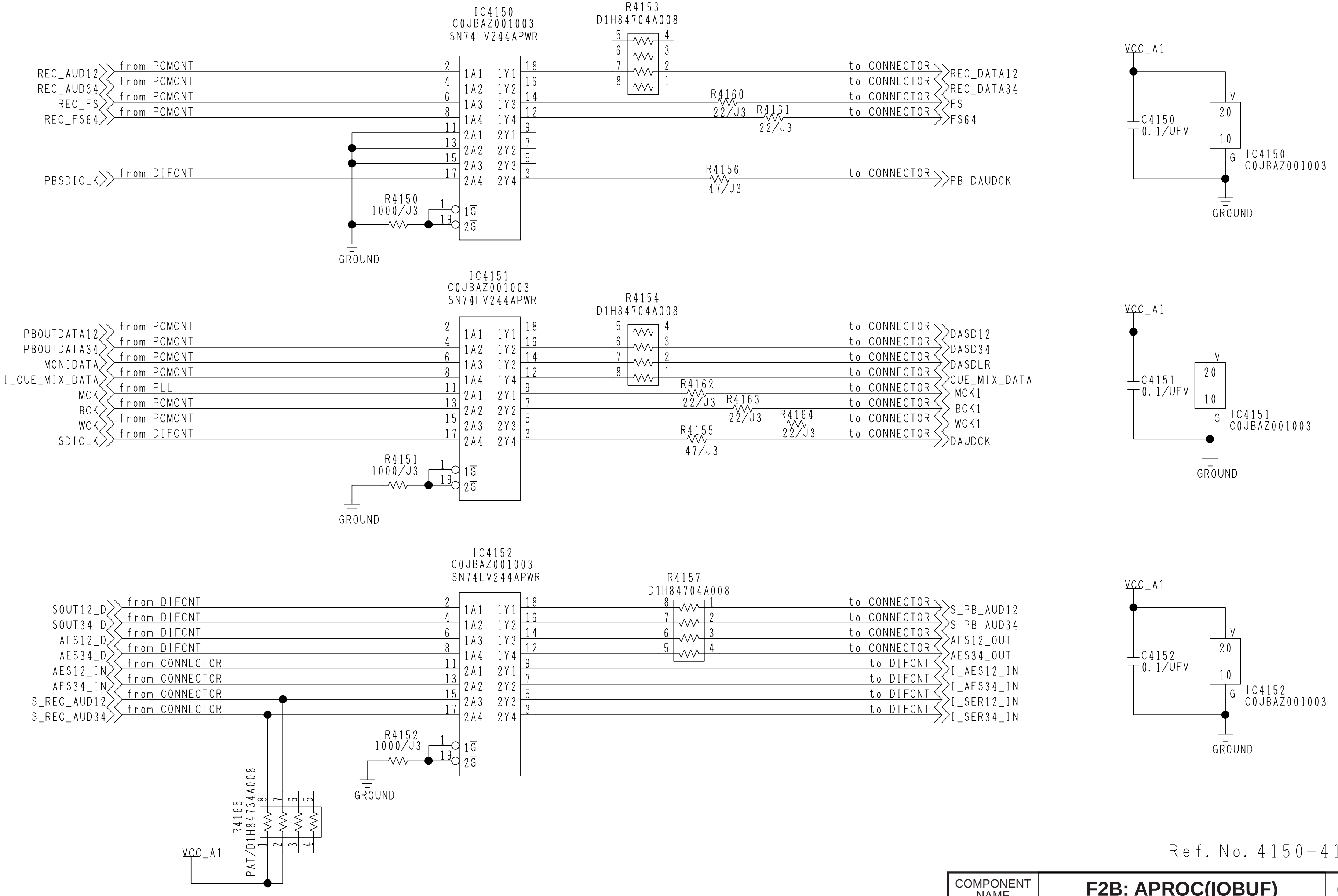
Ref. No. 4051-4099

COMPONENT NAME	**F2B: APROC(POWER)**	02/12
CIRCUIT BOARD NO.	DRAWING NO.	
VEP84384A	KR4K92 (2/12) (0)	
	SCM025	


IC4100
C0JBAZ001121
SN74LV541APWR
G2
G1
A1 A2 A3 A4 A5 A6 A7 A8
Y1 Y2 Y3 Y4 Y5 Y6 Y7 Y8
[0] [1] [2] [3] [4] [5] [6] [7]
R4101
1000/J3
GROUND
to PCMCNT/DIFCNT/SLOW/ACNT
AV_ADRS[0-10]
VCC_A1
V
20
10
G
C4100
0.1/UFV
C4101
0.1/UFV
C4102
0.1/UFV
IC4100
C0JBAZ001121
IC4101
C0JBAZ001137
IC4102
C0JBAZ001121
GROUND
IC4102
C0JBAZ001121
SN74LV541APWR
[8] [9] [10]
AV_ADRS_BUS[0-10]
AV_ADRS_BUS[0-10]
from CONNECTOR
AV_ADRS_BUS[0-10]
to ACNT/DIFCON/PCMCNT/SLOW
AV_RD
to ACNT/DIFCON/PCMCNT/SLOW
AV_WR
to PCMCNT
AV_CS
to ACNT/SLOW
PONRST_N
to PCMCNT/DIFCNT
NCONFIG
R4102
1000/J3
GROUND
AV_IORD_L
AV_IOWR_L
AV_CS_APROC_L
AV_RST_L
from CONNECTOR
from CONNECTOR
from CONNECTOR
from CONNECTOR
R4100
47/J3
C4103
1000P/UBV
GROUND
VCC_A1
R4103
D1H84734A008
R4104
D1H84734A008
IC4101
C0JBAZ001137
SN74LV245APWR
DIR
G
A1 A2 A3 A4 A5 A6 A7 A8
B1 B2 B3 B4 B5 B6 B7 B8
AV_DATA_BUS[0-7]
from CONNECTOR
R4105
D0GZ220J0001
[0] [1] [2] [3] [4] [5] [6] [7]
R4106
D0GZ220J0001
to PCMCNT/DIFCNT/SLOW/ACNT
AV_DATA[0-7]

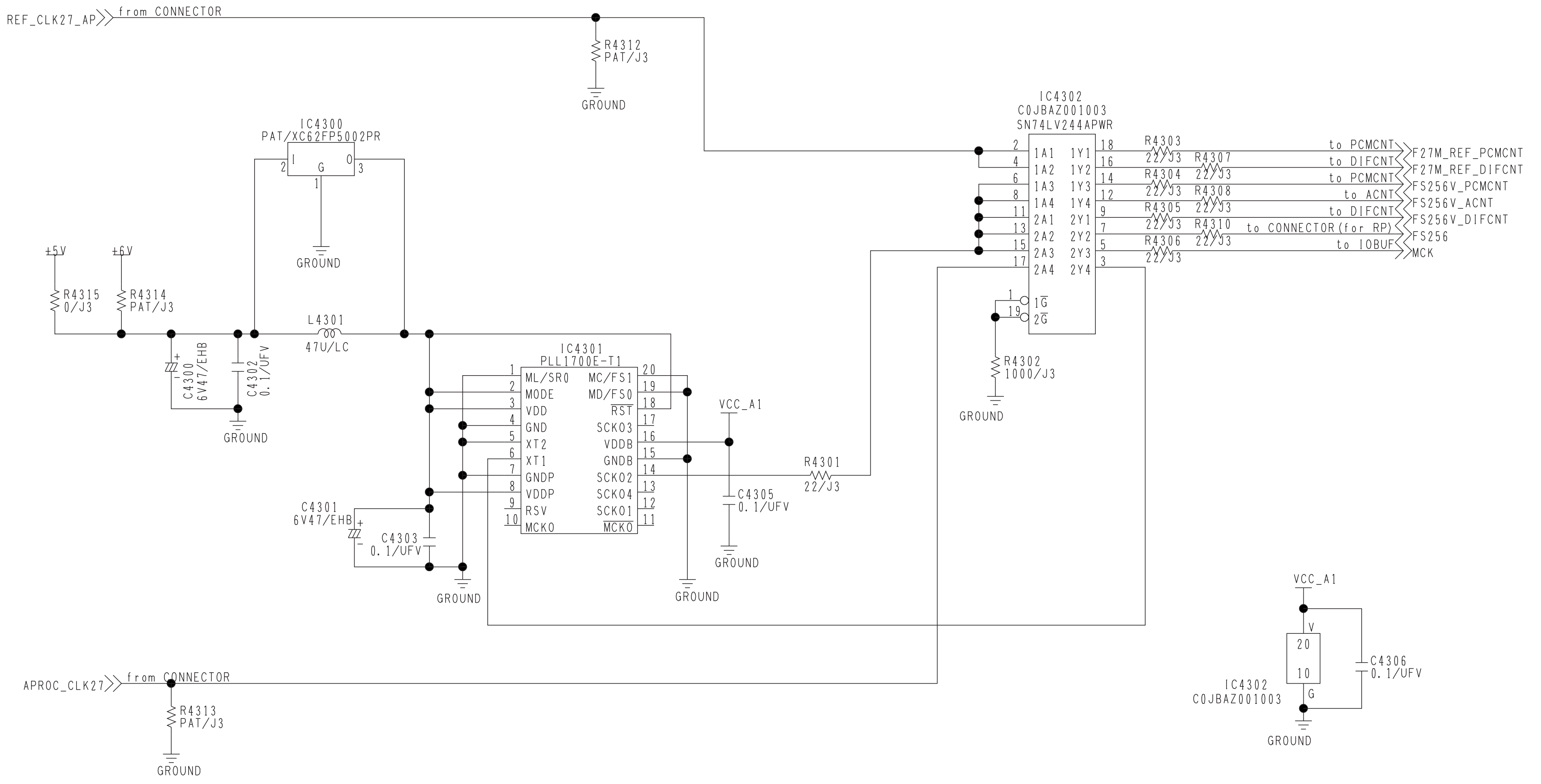
Ref. No. 4100-4149

COMPONENT NAME	F2B: APROC(AVIF)	03/12
CIRCUIT BOARD NO.	DRAWING NO.	
VEP84384A	KR4K92 (3/12) (0)	
	SCM026	


IC4150
C0JBAZ001003
SN74LV244APWR
R4153
D1H84704A008
REC_AUD12
REC_AUD34
REC_FS
REC_FS64
from PCMCNT
PBSDICLK
from DIFCNT
1A1 1Y1
1A2 1Y2
1A3 1Y3
1A4 1Y4
2A1 2Y1
2A2 2Y2
2A3 2Y3
2A4 2Y4
1G
2G
R4150
1000/J3
GROUND
R4160
22/J3
R4161
22/J3
R4156
47/J3
to CONNECTOR
REC_DATA12
REC_DATA34
FS
FS64
PB_DAUDCK
VCC_A1
C4150
0.1/UFV
IC4150
C0JBAZ001003
IC4151
C0JBAZ001003
SN74LV244APWR
R4154
D1H84704A008
PBOUTDATA12
PBOUTDATA34
MONIDATA
I_CUE_MIX_DATA
MCK
BCK
WCK
SDICLK
from PLL
R4151
1000/J3
R4162
22/J3
R4163
22/J3
R4164
22/J3
R4155
47/J3
DASD12
DASD34
DASDLR
CUE_MIX_DATA
MCK1
BCK1
WCK1
DAUDCK
C4151
0.1/UFV
IC4151
C0JBAZ001003
IC4152
C0JBAZ001003
SN74LV244APWR
R4157
D1H84704A008
SOUT12_D
SOUT34_D
AES12_D
AES34_D
AES12_IN
AES34_IN
S_REC_AUD12
S_REC_AUD34
from CONNECTOR
R4152
1000/J3
R4165
PAT/D1H84734A008
to DIFCNT
S_PB_AUD12
S_PB_AUD34
AES12_OUT
AES34_OUT
I_AES12_IN
I_AES34_IN
I_SER12_IN
I_SER34_IN
C4152
0.1/UFV
IC4152
C0JBAZ001003
V
20
10
G
A
B
C
D
E
F
G
H
I
J
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15

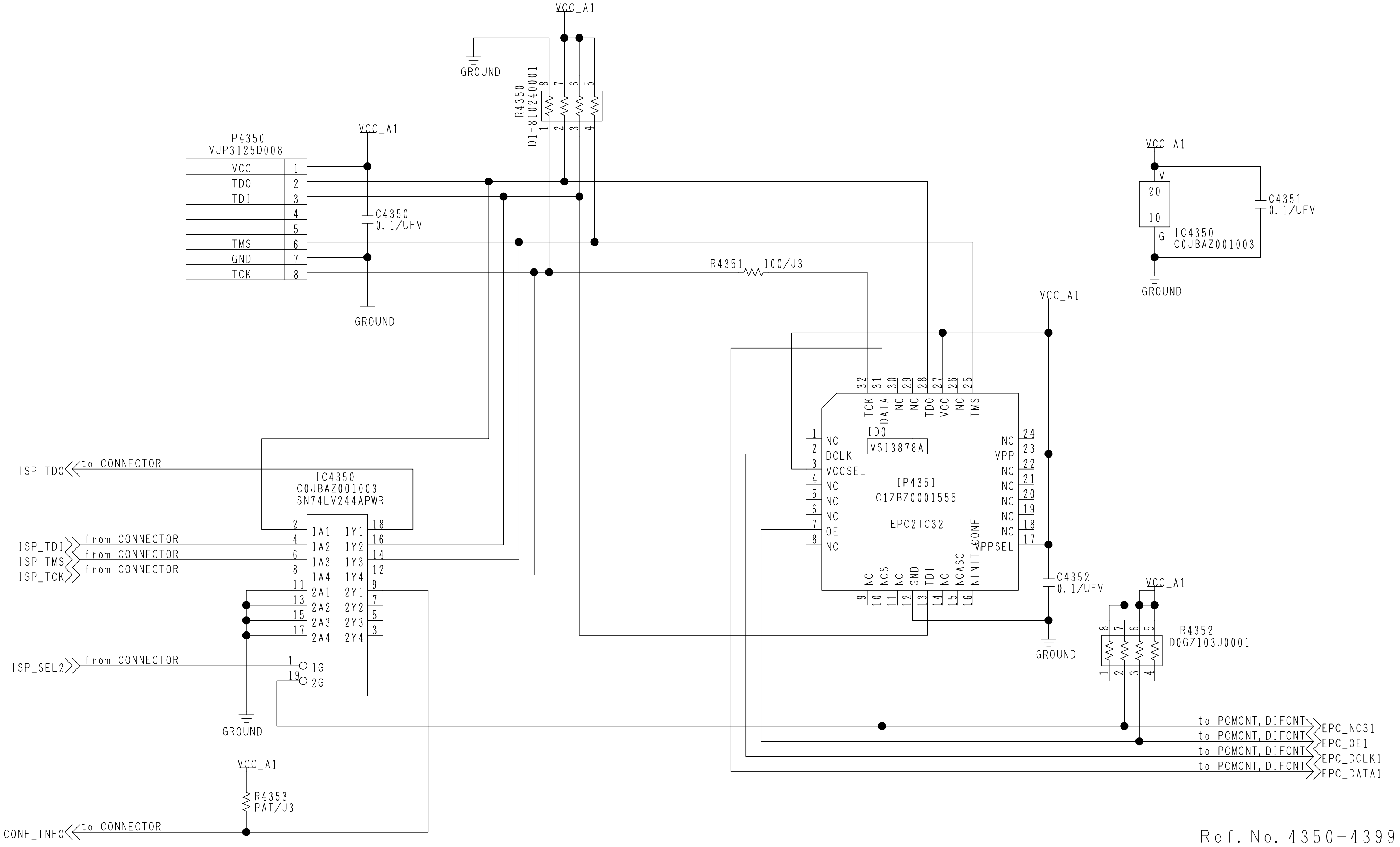
Ref. No. 4150-4199

COMPONENT NAME	F2B: APROC(IOBUF)	04/12
CIRCUIT BOARD NO.	DRAWING NO.	
VEP84384A	KR4K92 (4/12) (0)	
	SCM027	


REF_CLK27_AP
from CONNECTOR
R4312
PAT/J3
GROUND
IC4300
PAT/XC62FP5002PR
I
G
O
2
3
1
GROUND
+5V
+6V
R4315
0/J3
R4314
PAT/J3
L4301
47U/LC
C4300
6V47/EHB
C4302
0.1/UFV
GROUND
IC4301
PLL1700E-T1
1 ML/SR0
2 MODE
3 VDD
4 GND
5 XT2
6 XT1
7 GNDP
8 VDDP
9 RSV
10 MCKO
20 MC/FS1
19 MD/FS0
18 RST
17 SCKO3
16 VDDB
15 GNDB
14 SCKO2
13 SCKO4
12 SCKO1
11 MCKO
C4301
6V47/EHB
C4303
0.1/UFV
GROUND
GROUND
VCC_A1
C4305
0.1/UFV
GROUND
R4301
22/J3
IC4302
C0JBAZ001003
SN74LV244APWR
2 1A1
4 1A2
6 1A3
8 1A4
11 2A1
13 2A2
15 2A3
17 2A4
1 1G
19 2G
18 1Y1
16 1Y2
14 1Y3
12 1Y4
9 2Y1
7 2Y2
5 2Y3
3 2Y4
R4302
1000/J3
GROUND
R4303
22/J3
R4307
22/J3
R4304
22/J3
R4308
22/J3
R4305
22/J3
R4310
22/J3
R4306
22/J3
to PCMCNT
F27M_REF_PCMCNT
to DIFCNT
F27M_REF_DIFCNT
to PCMCNT
FS256V_PCMCNT
to ACNT
FS256V_ACNT
to DIFCNT
FS256V_DIFCNT
to CONNECTOR(for RP)
FS256
to IOBUF
MCK
VCC_A1
V
20
10
G
IC4302
C0JBAZ001003
C4306
0.1/UFV
GROUND
APROC_CLK27
from CONNECTOR
R4313
PAT/J3
GROUND

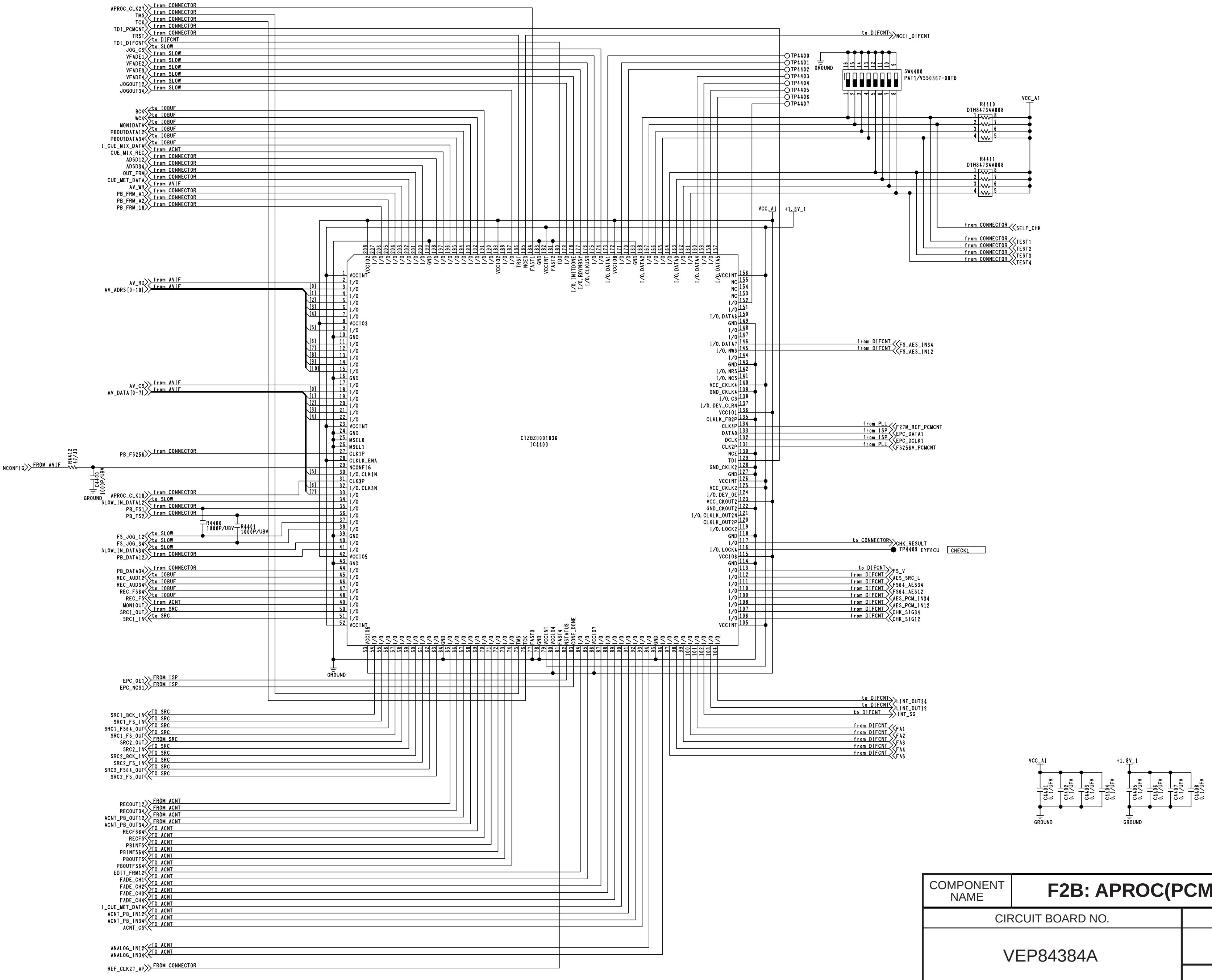
Ref. No. 4300-4349

COMPONENT NAME	F2B: APROC(PLL)	05/12
CIRCUIT BOARD NO.	DRAWING NO.	
VEP84384A	KR4K92 (5/12) (0)	
	SCM028	


VCC_A1
GROUND
R4350
D1H810240001
P4350
VJP3125D008
VCC 1
TDO 2
TDI 3
4
5
TMS 6
GND 7
TCK 8
C4350
0.1/UFV
R4351 100/J3
IC4350
C0JBAZ001003
V
20
10
G
C4351
0.1/UFV
ISP_TDO
to CONNECTOR
IC4350
C0JBAZ001003
SN74LV244APWR
1A1 1Y1
1A2 1Y2
1A3 1Y3
1A4 1Y4
2A1 2Y1
2A2 2Y2
2A3 2Y3
2A4 2Y4
1G
2G
ISP_TDI
ISP_TMS
ISP_TCK
from CONNECTOR
ISP_SEL2
VCC_A1
R4353
PAT/J3
CONF_INFO
IP4351
C1ZBZ0001555
EPC2TC32
IDO
VSI3878A
TCK DATA NC NC TDO VCC NC TMS
NC DCLK VCCSEL NC NC NC OE NC
NC VPP NC NC NC NC NC VPPSEL
NC NCS NC GND TDI NC NCASC NINIT_CONF
C4352
0.1/UFV
R4352
D0GZ103J0001
to PCMCNT,DIFCNT
EPC_NCS1
EPC_OE1
EPC_DCLK1
EPC_DATA1
A
B
C
D
E
F
G
H
I
J
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15

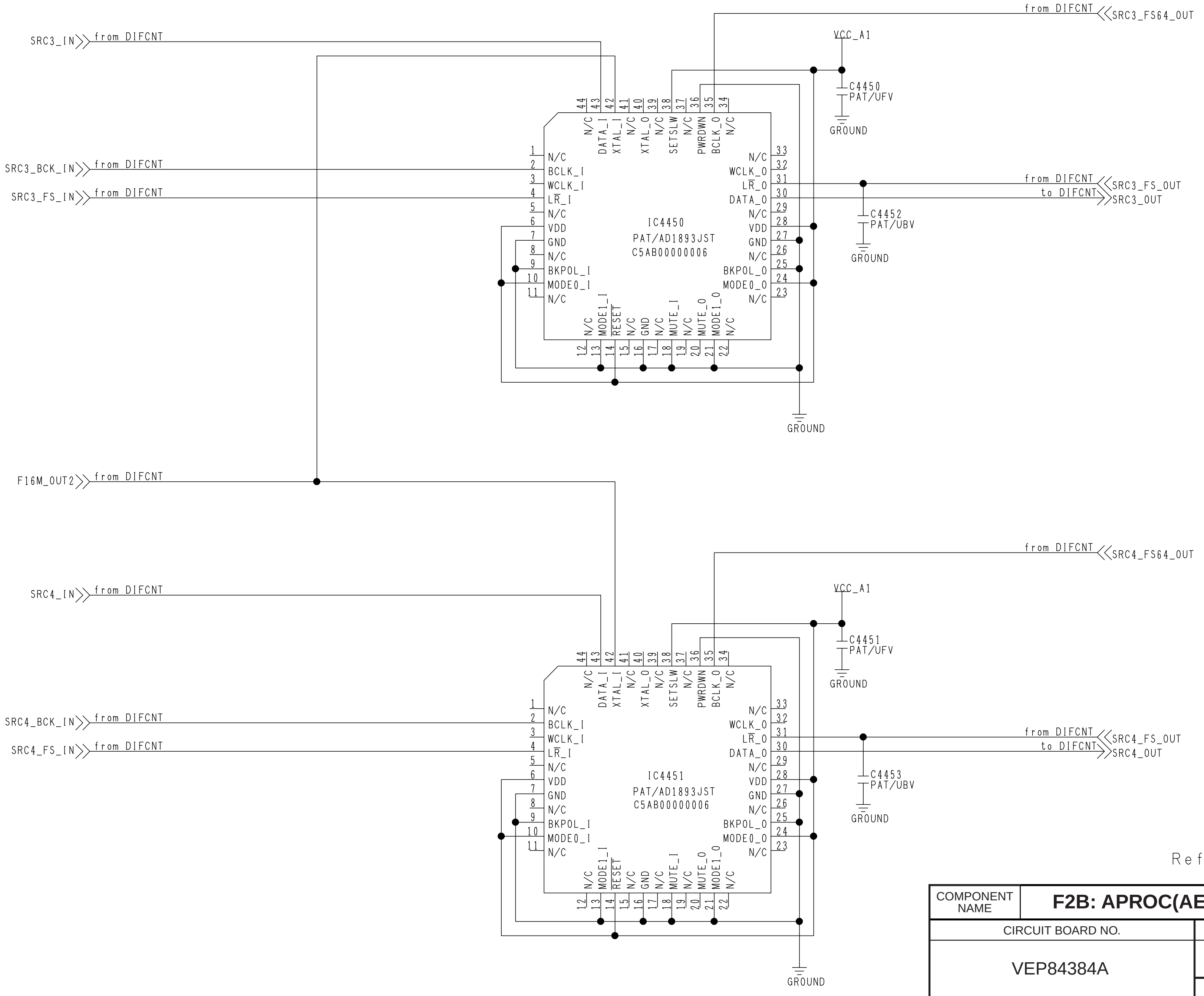
Ref. No. 4350-4399

COMPONENT NAME	F2B: APROC(ISP)	06/12
CIRCUIT BOARD NO.		DRAWING NO.
VEP84384A		KR4K92 (6/12) (0)
		SCM029


APROC_CLK27 from CONNECTOR
TMS from CONNECTOR
TCK from CONNECTOR
TDI_PCMCNT from CONNECTOR
TRST from CONNECTOR
TDI_DIFCNT to DIFCNT
JOG_CS to SLOW
VFADE1 from SLOW
VFADE2 from SLOW
VFADE3 from SLOW
VFADE4 from SLOW
JOGOUT12 from SLOW
JOGOUT34 from SLOW
BCK to IOBUF
WCK to IOBUF
MONIDATA to IOBUF
PBOUTDATA12 to IOBUF
PBOUTDATA34 to IOBUF
I_CUE_MIX_DATA to IOBUF
CUE_MIX_REC from ACNT
ADSD12 from CONNECTOR
ADSD34 from CONNECTOR
OUT_FRM from CONNECTOR
CUE_MET_DATA from CONNECTOR
AV_WR from AVIF
PB_FRM_A1 from CONNECTOR
PB_FRM_A2 from CONNECTOR
PB_FRM_18 from CONNECTOR
AV_RD from AVIF
AV_ADRS[0-10] from AVIF
[0] [1] [2] [3] [4] [5] [6] [7] [8] [9] [10]
AV_CS from AVIF
AV_DATA[0-7] from AVIF
PB_FS256 from CONNECTOR
NCONFIG FROM AVIF
R4412 47/J3
C4400 1000P/UBV
GROUND
APROC_CLK18 from CONNECTOR
SLOW_IN_DATA12 to SLOW
PB_FS1 from CONNECTOR
PB_FS2 from CONNECTOR
R4400 1000P/UBV
R4401 1000P/UBV
FS_JOG_12 to SLOW
FS_JOG_34 to SLOW
SLOW_IN_DATA34 to SLOW
PB_DATA12 from CONNECTOR
PB_DATA34 from CONNECTOR
REC_AUD12 to IOBUF
REC_AUD34 to IOBUF
REC_FS64 to IOBUF
REC_FS to IOBUF
MONIOUT from ACNT
SRC1_OUT from SRC
SRC1_IN to SRC
EPC_OE1 FROM ISP
EPC_NCS1 FROM ISP
SRC1_BCK_IN TO SRC
SRC1_FS_IN TO SRC
SRC1_FS64_OUT TO SRC
SRC1_FS_OUT TO SRC
SRC2_OUT FROM SRC
SRC2_IN TO SRC
SRC2_BCK_IN TO SRC
SRC2_FS_IN TO SRC
SRC2_FS64_OUT TO SRC
SRC2_FS_OUT TO SRC
RECOUT12 FROM ACNT
RECOUT34 FROM ACNT
ACNT_PB_OUT12 FROM ACNT
ACNT_PB_OUT34 FROM ACNT
RECFS64 TO ACNT
RECFS TO ACNT
PBINFS TO ACNT
PBINFS64 TO ACNT
PBOUTFS TO ACNT
PBOUTFS64 TO ACNT
EDIT_FRM12 TO ACNT
FADE_CH1 TO ACNT
FADE_CH2 TO ACNT
FADE_CH3 TO ACNT
FADE_CH4 TO ACNT
I_CUE_MET_DATA TO ACNT
ACNT_PB_IN12 TO ACNT
ACNT_PB_IN34 TO ACNT
ACNT_CS TO ACNT
ANALOG_IN12 TO ACNT
ANALOG_IN34 TO ACNT
REF_CLK27_AP FROM CONNECTOR
C1ZBZ0001836
IC4400
VCCINT VCCIO2 VCCIO3 VCCIO5 VCCIO4 VCCIO7 VCCIO8 VCCIO1 VCCIO6 GND
MSEL0 MSEL1 CLK1P CLKLK_ENA NCONFIG I/O.CLK1N CLK3P I/O.CLK3N
TRST NCEO FAST1 FAST2 TDO I/O.INITDONE I/O.RDYNBSY I/O.CLKUSR I/O.DATA1 I/O.DATA2 I/O.DATA3 I/O.DATA4 I/O.DATA5
TMS TCK FAST3 FAST4 NSTATUS CONF_DONE
NC I/O.DATA6 I/O.DATA7 I/O.NWS I/O.NRS I/O.NCS VCC_CKLK4 GND_CKLK4 I/O.CS I/O.DEV_CLRN CLKLK_FB2P CLK4P DATA0 DCLK CLK2P NCE TDI GND_CKLK2 VCC_CKLK2 I/O.DEV_OE VCC_CKOUT2 GND_CKOUT2 I/O.CLKLK_OUT2N CLKLK_OUT2P I/O.LOCK2 I/O.LOCK4
to DIFCNT NCEI_DIFCNT
TP4400
TP4401
TP4402
TP4403
TP4404
TP4405
TP4406
TP4407
GROUND
SW4400
PAT1/VSS0367-08TB
VCC_A1
R4410
D1H84734A008
R4411
D1H84734A008
VCC_A1
+1.8V_1
from CONNECTOR SELF_CHK
from CONNECTOR TEST1
from CONNECTOR TEST2
from CONNECTOR TEST3
from CONNECTOR TEST4
from DIFCNT FS_AES_IN34
from DIFCNT FS_AES_IN12
from PLL F27M_REF_PCMCNT
from ISP EPC_DATA1
from ISP EPC_DCLK1
from PLL FS256V_PCMCNT
to CONNECTOR CHK_RESULT
TP4409 EYF6CU
CHECK1
to DIFCNT FS_V
from DIFCNT AES_SRC_L
from DIFCNT FS64_AES34
from DIFCNT FS64_AES12
from DIFCNT AES_PCM_IN34
from DIFCNT AES_PCM_IN12
from DIFCNT CHK_SIG34
from DIFCNT CHK_SIG12
to DIFCNT LINE_OUT34
to DIFCNT LINE_OUT12
to DIFCNT INT_SG
from DIFCNT FA1
from DIFCNT FA2
from DIFCNT FA3
from DIFCNT FA4
from DIFCNT FA5
VCC_A1
C4401 0.1/UFV
C4402 0.1/UFV
C4403 0.1/UFV
C4404 0.1/UFV
+1.8V_1
C4405 0.1/UFV
C4406 0.1/UFV
C4407 0.1/UFV
C4408 0.1/UFV
GROUND

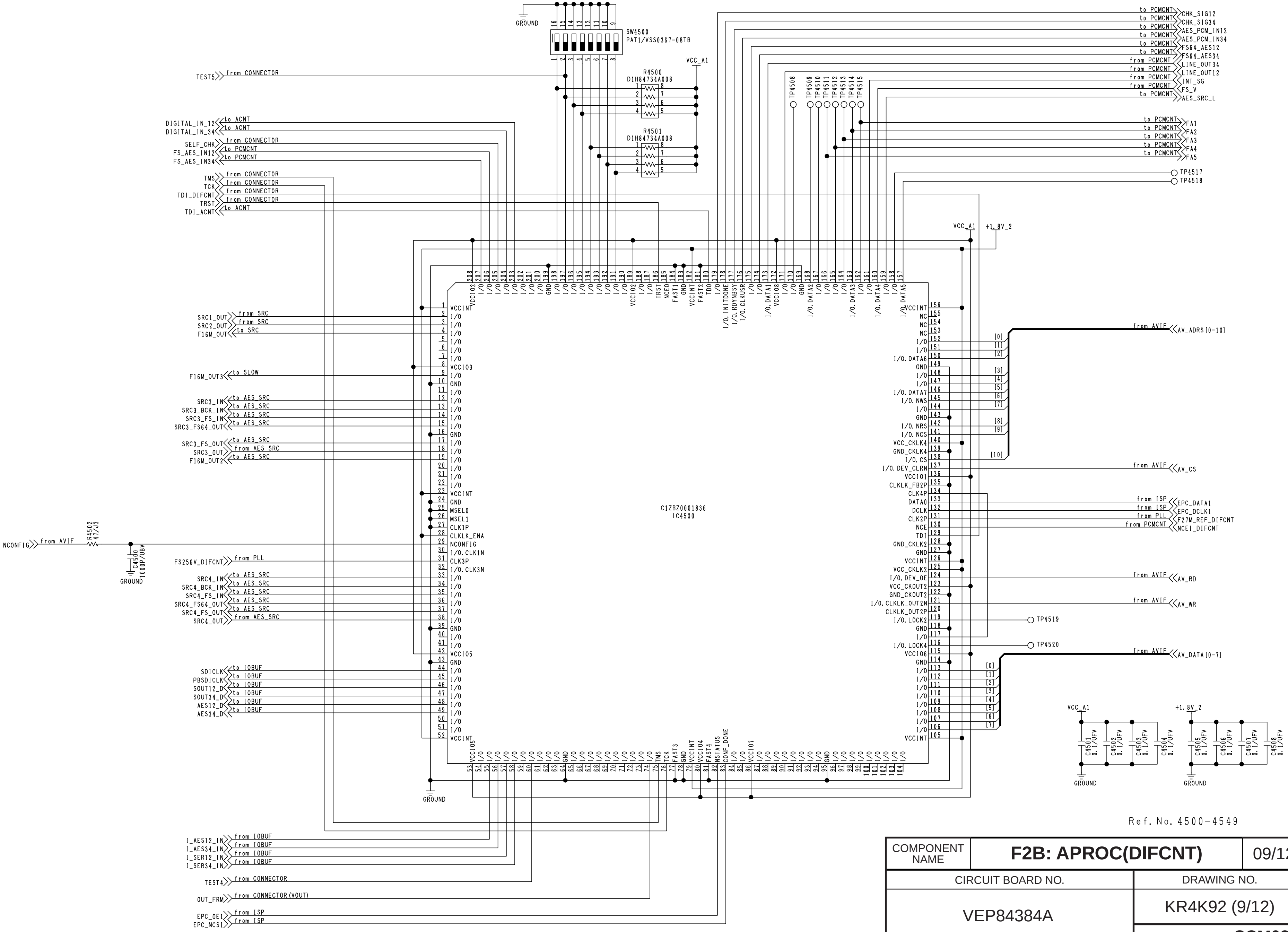
Ref. No. 4400-4449

COMPONENT NAME	F2B: APROC(PCMCNT)	07/12
CIRCUIT BOARD NO.	DRAWING NO.	
VEP84384A	KR4K92 (7/12) (0)	
	SCM030	

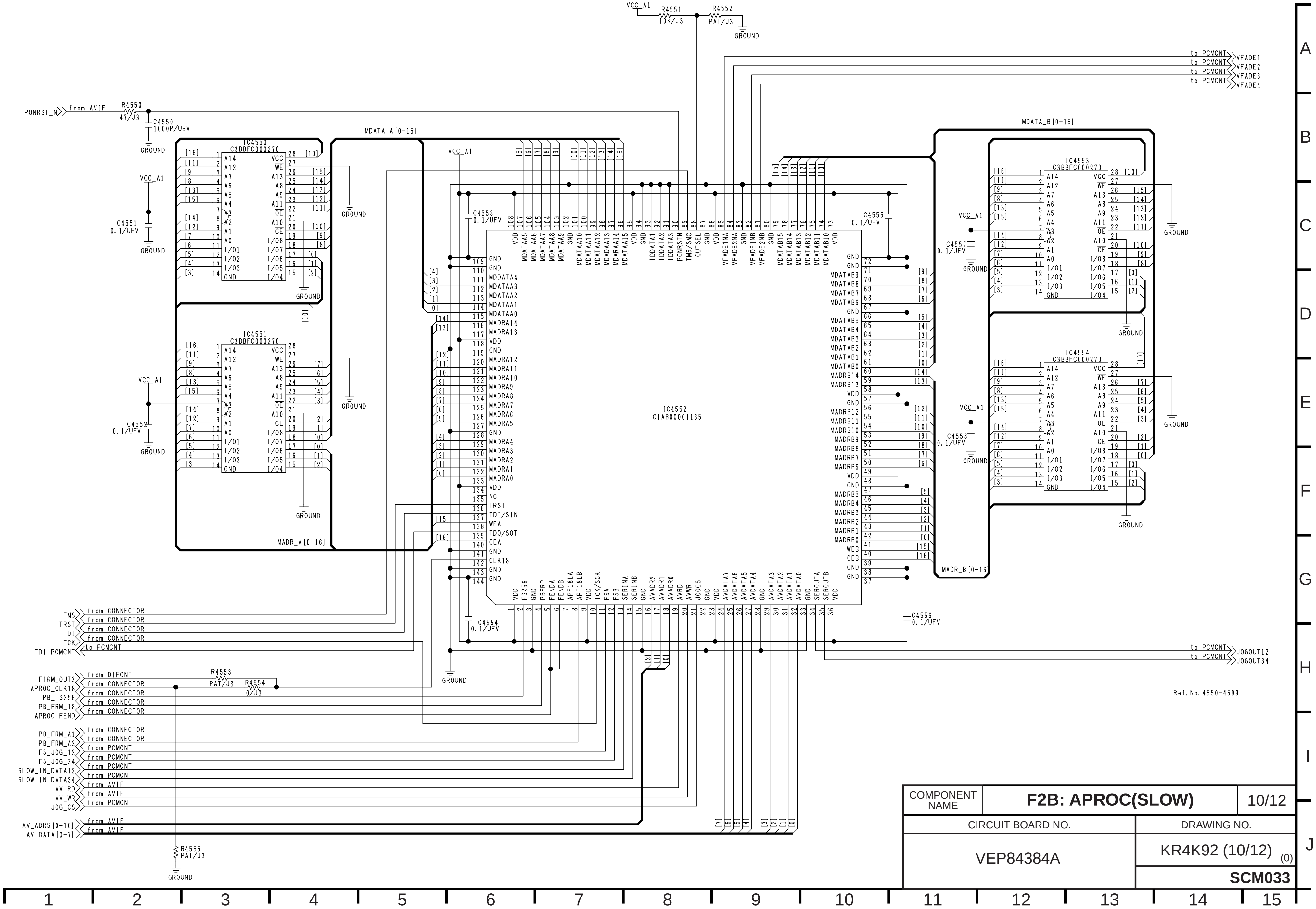

SRC3_IN
from DIFCNT
from DIFCNT
SRC3_FS64_OUT
VCC_A1
C4450
PAT/UFV
GROUND
SRC3_BCK_IN
from DIFCNT
SRC3_FS_IN
from DIFCNT
from DIFCNT
SRC3_FS_OUT
to DIFCNT
SRC3_OUT
C4452
PAT/UBV
GROUND
IC4450
PAT/AD1893JST
C5AB00000006
N/C
DATA_I
XTAL_I
N/C
XTAL_O
N/C
SETSLW
N/C
PWRDWN
BCLK_O
N/C
N/C
BCLK_I
WCLK_I
LR_I
N/C
VDD
GND
N/C
BKPOL_I
MODE0_I
N/C
N/C
WCLK_O
LR_O
DATA_O
N/C
VDD
GND
N/C
BKPOL_O
MODE0_O
N/C
N/C
MODE1_I
RESET
N/C
GND
N/C
MUTE_I
N/C
MUTE_O
MODE1_O
N/C
GROUND
F16M_OUT2
from DIFCNT
from DIFCNT
SRC4_FS64_OUT
VCC_A1
SRC4_IN
from DIFCNT
C4451
PAT/UFV
GROUND
SRC4_BCK_IN
from DIFCNT
SRC4_FS_IN
from DIFCNT
from DIFCNT
SRC4_FS_OUT
to DIFCNT
SRC4_OUT
C4453
PAT/UBV
GROUND
IC4451
PAT/AD1893JST
C5AB00000006
GROUND

Ref. No. 4450-4499

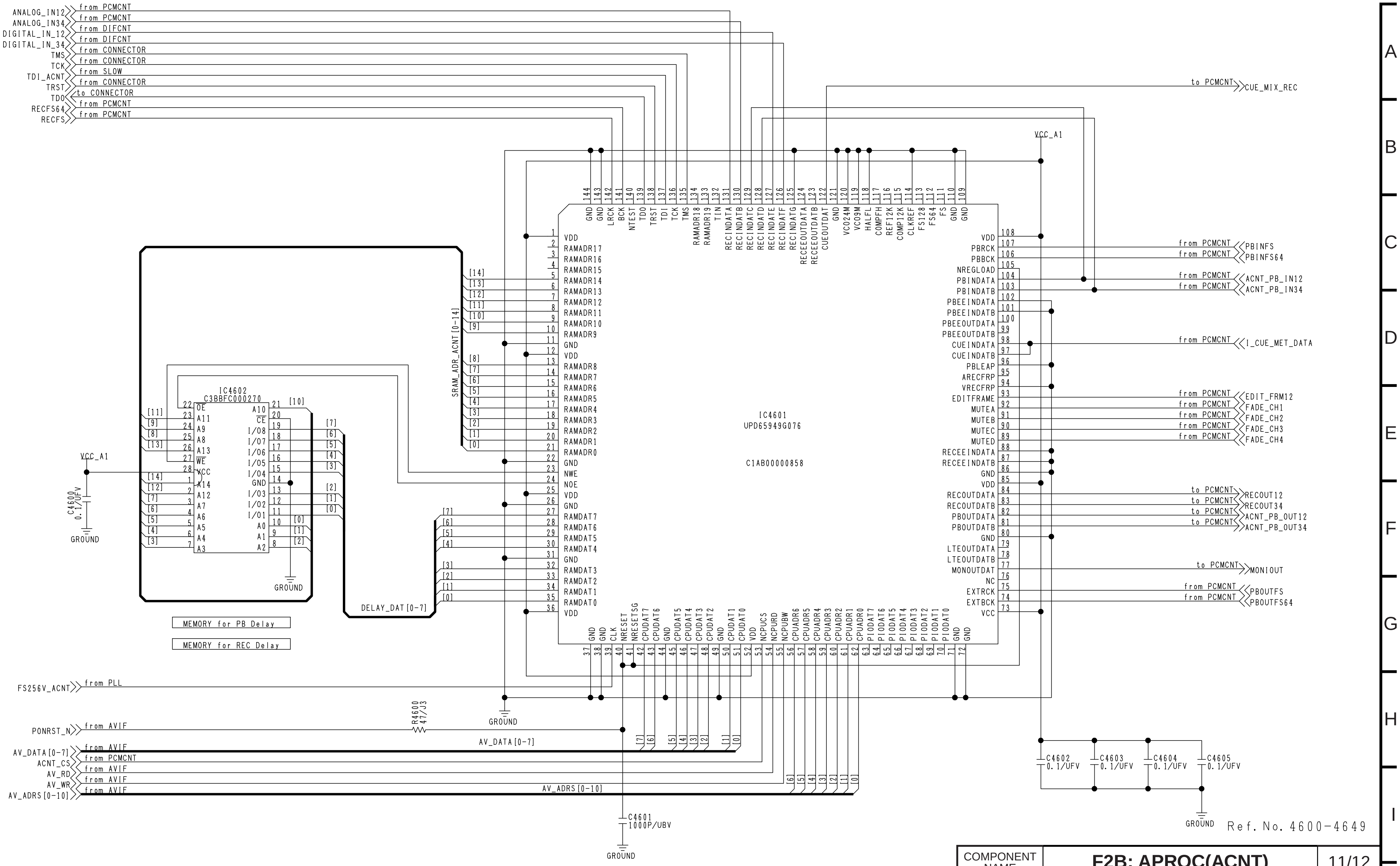
COMPONENT NAME	F2B: APROC(AES_SRC)	08/12
CIRCUIT BOARD NO.	DRAWING NO.	
VEP84384A	KR4K92 (8/12) (0)	
	SCM031	


SW4500
PAT1/VSS0367-08TB
GROUND
VCC_A1
R4500
D1H84734A008
R4501
D1H84734A008
TEST5 from CONNECTOR
DIGITAL_IN_12 to ACNT
DIGITAL_IN_34 to ACNT
SELF_CHK from CONNECTOR
FS_AES_IN12 to PCMCNT
FS_AES_IN34 to PCMCNT
TMS from CONNECTOR
TCK from CONNECTOR
TDI_DIFCNT from CONNECTOR
TRST from CONNECTOR
TDI_ACNT to ACNT
to PCMCNT CHK_SIG12
to PCMCNT CHK_SIG34
to PCMCNT AES_PCM_IN12
to PCMCNT AES_PCM_IN34
to PCMCNT FS64_AES12
to PCMCNT FS64_AES34
from PCMCNT LINE_OUT34
from PCMCNT LINE_OUT12
from PCMCNT INT_SG
from PCMCNT FS_V
to PCMCNT AES_SRC_L
TP4508 TP4509 TP4510 TP4511 TP4512 TP4513 TP4514 TP4515
to PCMCNT FA1
to PCMCNT FA2
to PCMCNT FA3
to PCMCNT FA4
to PCMCNT FA5
TP4517
TP4518
VCC_A1
+1.8V_2
SRC1_OUT from SRC
SRC2_OUT from SRC
F16M_OUT to SRC
F16M_OUT3 to SLOW
SRC3_IN to AES_SRC
SRC3_BCK_IN to AES_SRC
SRC3_FS_IN to AES_SRC
SRC3_FS64_OUT to AES_SRC
SRC3_FS_OUT to AES_SRC
SRC3_OUT from AES_SRC
F16M_OUT2 to AES_SRC
NCONFIG from AVIF
R4502 47/J3
C4500 1000P/UBV
GROUND
FS256V_DIFCNT from PLL
SRC4_IN to AES_SRC
SRC4_BCK_IN to AES_SRC
SRC4_FS_IN to AES_SRC
SRC4_FS64_OUT to AES_SRC
SRC4_FS_OUT to AES_SRC
SRC4_OUT from AES_SRC
SDICLK to IOBUF
PBSDICLK to IOBUF
SOUT12_D to IOBUF
SOUT34_D to IOBUF
AES12_D to IOBUF
AES34_D to IOBUF
C1ZBZ0001836
IC4500
from AVIF AV_ADRS[0-10]
from AVIF AV_CS
from ISP EPC_DATA1
from ISP EPC_DCLK1
from PLL F27M_REF_DIFCNT
from PCMCNT NCEI_DIFCNT
from AVIF AV_RD
from AVIF AV_WR
TP4519
TP4520
from AVIF AV_DATA[0-7]
VCC_A1
C4501 0.1/UFV
C4502 0.1/UFV
C4503 0.1/UFV
C4504 0.1/UFV
+1.8V_2
C4505 0.1/UFV
C4506 0.1/UFV
C4507 0.1/UFV
C4508 0.1/UFV
GROUND
I_AES12_IN from IOBUF
I_AES34_IN from IOBUF
I_SER12_IN from IOBUF
I_SER34_IN from IOBUF
TEST4 from CONNECTOR
OUT_FRM from CONNECTOR(VOUT)
EPC_OE1 from ISP
EPC_NCS1 from ISP
Ref.No.4500-4549

COMPONENT NAME	F2B: APROC(DIFCNT)	09/12
CIRCUIT BOARD NO.	DRAWING NO.	
VEP84384A	KR4K92 (9/12) (0)	
	SCM032	

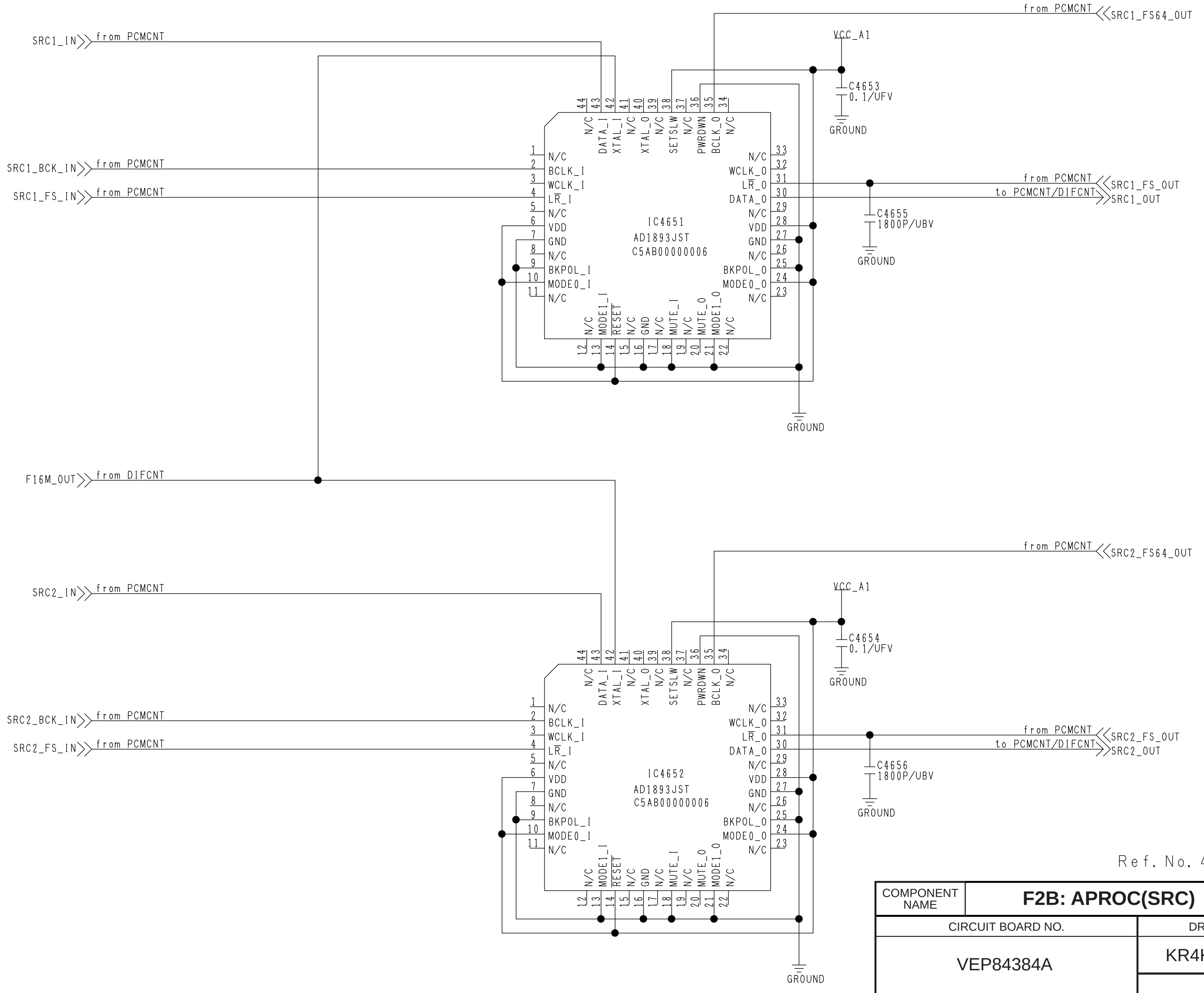

IC4552
C1AB00001135
IC4550
C3BBFC000270
IC4551
C3BBFC000270
IC4553
C3BBFC000270
IC4554
C3BBFC000270
MDATA_A[0-15]
MDATA_B[0-15]
MADR_A[0-16]
MADR_B[0-16]
PONRST_N
from AVIF
R4550
47/J3
C4550
1000P/UBV
R4551
10K/J3
R4552
PAT/J3
VCC_A1
GROUND
C4551
0.1/UFV
C4552
0.1/UFV
C4553
0.1/UFV
C4554
0.1/UFV
C4555
0.1/UFV
C4556
0.1/UFV
C4557
0.1/UFV
C4558
0.1/UFV
to PCMCNT
VFADE1
VFADE2
VFADE3
VFADE4
JOGOUT12
JOGOUT34
TMS
TRST
TDI
TCK
TDI_PCMCNT
from CONNECTOR
to PCMCNT
F16M_OUT3
APROC_CLK18
PB_FS256
PB_FRM_18
APROC_FEND
from DIFCNT
R4553
PAT/J3
R4554
0/J3
PB_FRM_A1
PB_FRM_A2
FS_JOG_12
FS_JOG_34
SLOW_IN_DATA12
SLOW_IN_DATA34
AV_RD
AV_WR
JOG_CS
from PCMCNT
from AVIF
AV_ADRS[0-10]
AV_DATA[0-7]
R4555
PAT/J3
Ref. No. 4550-4599
A
B
C
D
E
F
G
H
I
J
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15

COMPONENT NAME	F2B: APROC(SLOW)	10/12
CIRCUIT BOARD NO.	DRAWING NO.	
VEP84384A	KR4K92 (10/12) (0)	
	SCM033	


ANALOG_IN12 from PCMCNT
ANALOG_IN34 from PCMCNT
DIGITAL_IN_12 from DIFCNT
DIGITAL_IN_34 from DIFCNT
TMS from CONNECTOR
TCK from SLOW
TDI_ACNT from CONNECTOR
TRST from CONNECTOR
TDO to CONNECTOR
RECFS64 from PCMCNT
RECFS from PCMCNT
to PCMCNT CUE_MIX_REC
VCC_A1
IC4601
UPD65949G076
C1AB00000858
IC4602
C3BBFC000270
SRAM_ADR_ACNT[0-14]
DELAY_DAT[0-7]
MEMORY for PB Delay
MEMORY for REC Delay
C4600 0.1/UFV
GROUND
from PCMCNT PBINFS
from PCMCNT PBINFS64
from PCMCNT ACNT_PB_IN12
from PCMCNT ACNT_PB_IN34
from PCMCNT I_CUE_MET_DATA
from PCMCNT EDIT_FRM12
from PCMCNT FADE_CH1
from PCMCNT FADE_CH2
from PCMCNT FADE_CH3
from PCMCNT FADE_CH4
to PCMCNT RECOUT12
to PCMCNT RECOUT34
to PCMCNT ACNT_PB_OUT12
to PCMCNT ACNT_PB_OUT34
to PCMCNT MONIOUT
from PCMCNT PBOUTFS
from PCMCNT PBOUTFS64
FS256V_ACNT from PLL
PONRST_N from AVIF
R4600 47/J3
AV_DATA[0-7] from AVIF
ACNT_CS from PCMCNT
AV_RD from AVIF
AV_WR from AVIF
AV_ADRS[0-10] from AVIF
AV_DATA[0-7]
AV_ADRS[0-10]
C4601 1000P/UBV
C4602 0.1/UFV
C4603 0.1/UFV
C4604 0.1/UFV
C4605 0.1/UFV

Ref. No. 4600-4649

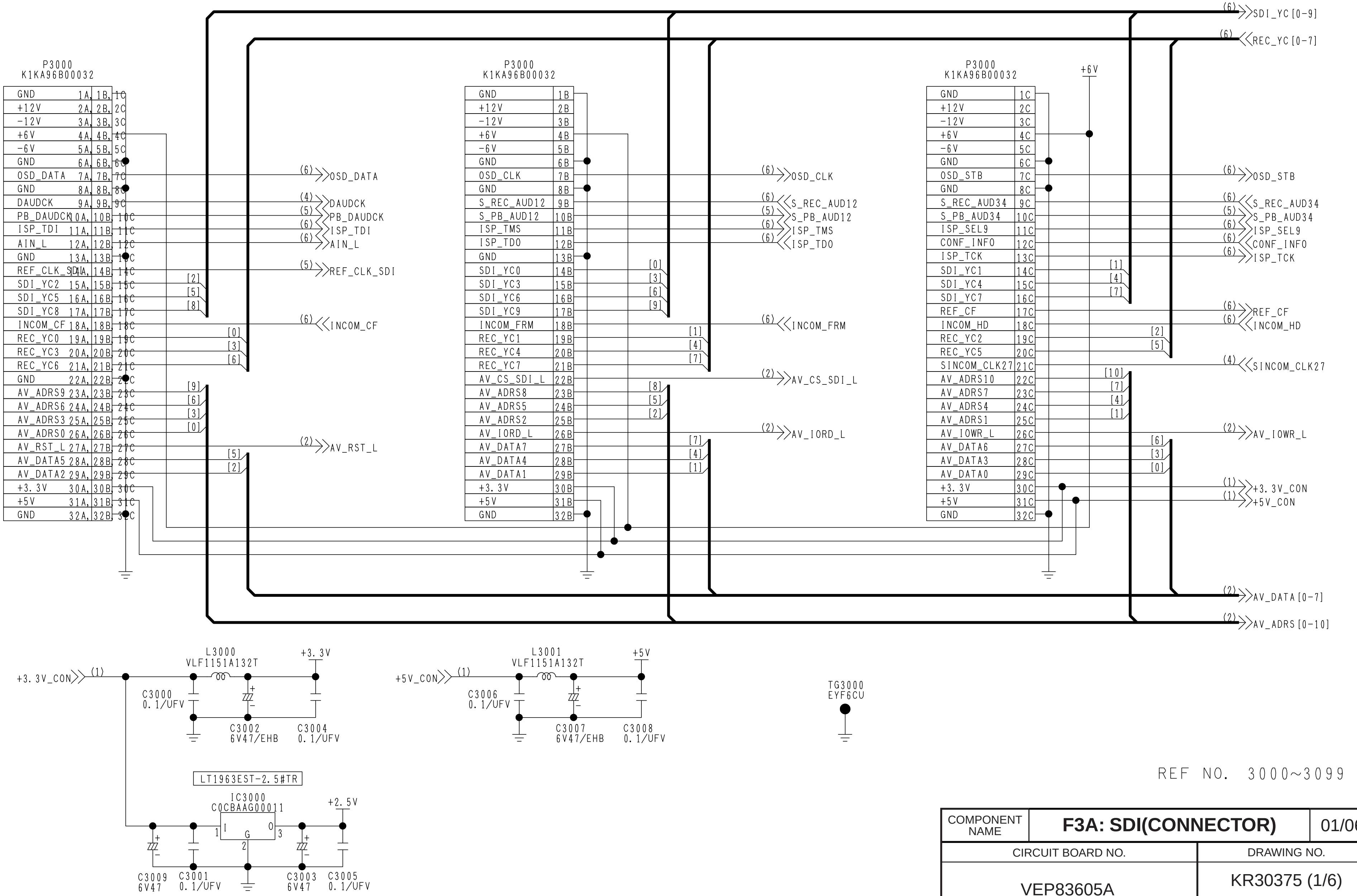
COMPONENT NAME	F2B: APROC(ACNT)	11/12
CIRCUIT BOARD NO.	DRAWING NO.	
VEP84384A	KR4K92 (11/12) (0)	
	SCM034	



SRC1_IN
from PCMCNT
SRC1_BCK_IN
from PCMCNT
SRC1_FS_IN
from PCMCNT
from PCMCNT
SRC1_FS64_OUT
VCC_A1
C4653
0.1/UFV
GROUND
IC4651
AD1893JST
C5AB00000006
N/C
BCLK_I
WCLK_I
LR_I
VDD
GND
BKPOL_I
MODE0_I
N/C
DATA_I
XTAL_I
XTAL_O
SETSLW
PWRDWN
BCLK_O
WCLK_O
LR_O
DATA_O
BKPOL_O
MODE0_O
MODE1_I
RESET
MUTE_I
MUTE_O
MODE1_O
from PCMCNT
SRC1_FS_OUT
to PCMCNT/DIFCNT
SRC1_OUT
C4655
1800P/UBV
GROUND
GROUND
F16M_OUT
from DIFCNT
from PCMCNT
SRC2_FS64_OUT
SRC2_IN
from PCMCNT
VCC_A1
C4654
0.1/UFV
GROUND
SRC2_BCK_IN
from PCMCNT
SRC2_FS_IN
from PCMCNT
IC4652
AD1893JST
C5AB00000006
from PCMCNT
SRC2_FS_OUT
to PCMCNT/DIFCNT
SRC2_OUT
C4656
1800P/UBV
GROUND
GROUND

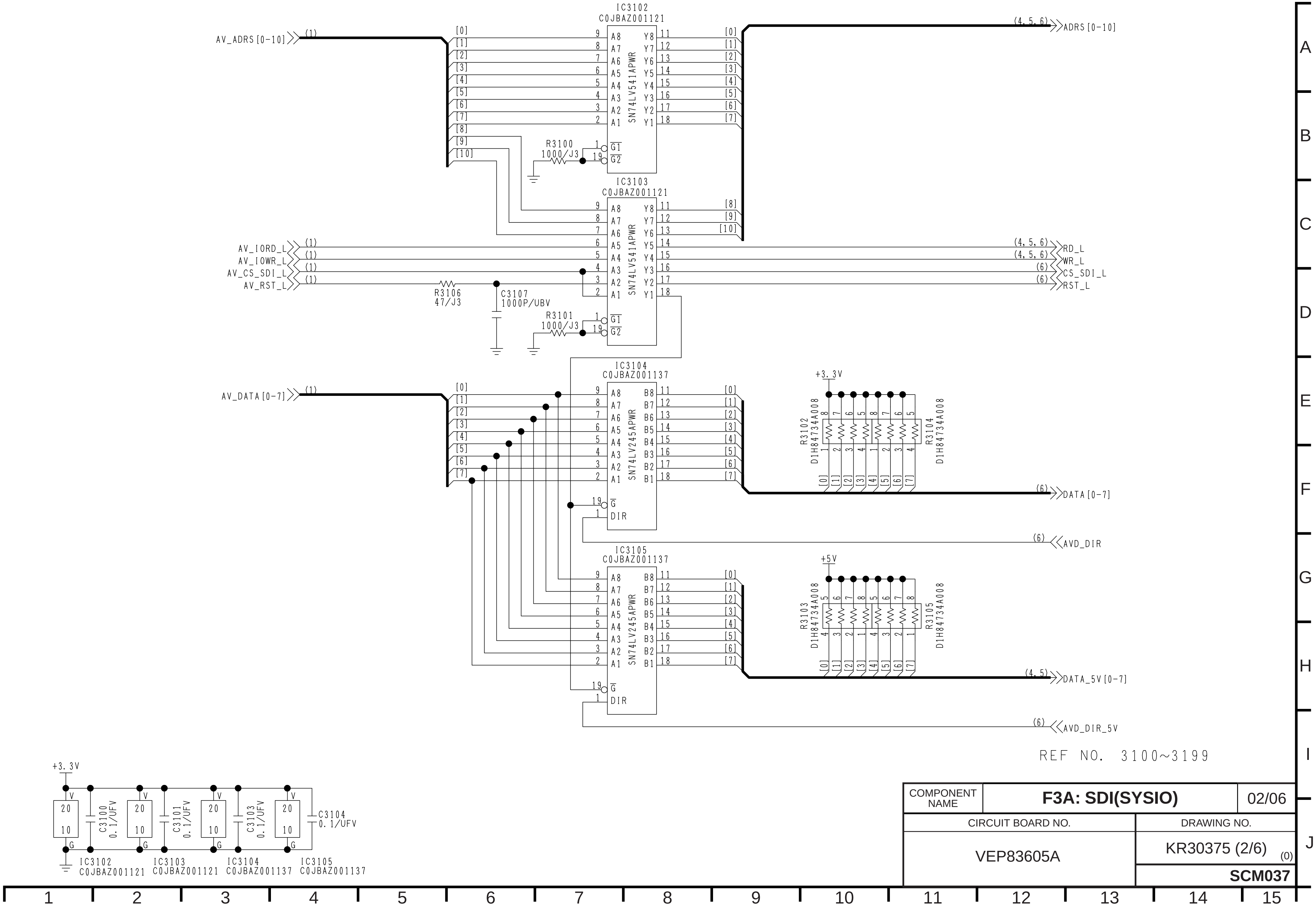
Ref. No. 4650-4699

COMPONENT NAME	**F2B: APROC(SRC)**	12/12
CIRCUIT BOARD NO.	DRAWING NO.	
VEP84384A	KR4K92 (12/12) (0)	
	SCM035	


P3000
K1KA96B00032
GND 1A 1B 1C
+12V 2A 2B 2C
-12V 3A 3B 3C
+6V 4A 4B 4C
-6V 5A 5B 5C
GND 6A 6B 6C
OSD_DATA 7A 7B 7C
GND 8A 8B 8C
DAUDCK 9A 9B 9C
PB_DAUDCK 10A 10B 10C
ISP_TDI 11A 11B 11C
AIN_L 12A 12B 12C
GND 13A 13B 13C
REF_CLK_SDI 14A 14B 14C
SDI_YC2 15A 15B 15C
SDI_YC5 16A 16B 16C
SDI_YC8 17A 17B 17C
INCOM_CF 18A 18B 18C
REC_YC0 19A 19B 19C
REC_YC3 20A 20B 20C
REC_YC6 21A 21B 21C
GND 22A 22B 22C
AV_ADRS9 23A 23B 23C
AV_ADRS6 24A 24B 24C
AV_ADRS3 25A 25B 25C
AV_ADRS0 26A 26B 26C
AV_RST_L 27A 27B 27C
AV_DATA5 28A 28B 28C
AV_DATA2 29A 29B 29C
+3.3V 30A 30B 30C
+5V 31A 31B 31C
GND 32A 32B 32C
(6) OSD_DATA
(4) DAUDCK
(5) PB_DAUDCK
(6) ISP_TDI
(6) AIN_L
(5) REF_CLK_SDI
(6) INCOM_CF
(2) AV_RST_L
[2] [5] [8] [0] [3] [6] [9] [6] [3] [0] [5] [2]
P3000
K1KA96B00032
GND 1B
+12V 2B
-12V 3B
+6V 4B
-6V 5B
GND 6B
OSD_CLK 7B
GND 8B
S_REC_AUD12 9B
S_PB_AUD12 10B
ISP_TMS 11B
ISP_TDO 12B
GND 13B
SDI_YC0 14B
SDI_YC3 15B
SDI_YC6 16B
SDI_YC9 17B
INCOM_FRM 18B
REC_YC1 19B
REC_YC4 20B
REC_YC7 21B
AV_CS_SDI_L 22B
AV_ADRS8 23B
AV_ADRS5 24B
AV_ADRS2 25B
AV_IORD_L 26B
AV_DATA7 27B
AV_DATA4 28B
AV_DATA1 29B
+3.3V 30B
+5V 31B
GND 32B
(6) OSD_CLK
(6) S_REC_AUD12
(5) S_PB_AUD12
(6) ISP_TMS
(6) ISP_TDO
(6) INCOM_FRM
(2) AV_CS_SDI_L
(2) AV_IORD_L
[0] [3] [6] [9] [1] [4] [7] [8] [5] [2] [7] [4] [1]
P3000
K1KA96B00032
+6V
GND 1C
+12V 2C
-12V 3C
+6V 4C
-6V 5C
GND 6C
OSD_STB 7C
GND 8C
S_REC_AUD34 9C
S_PB_AUD34 10C
ISP_SEL9 11C
CONF_INFO 12C
ISP_TCK 13C
SDI_YC1 14C
SDI_YC4 15C
SDI_YC7 16C
REF_CF 17C
INCOM_HD 18C
REC_YC2 19C
REC_YC5 20C
SINCOM_CLK27 21C
AV_ADRS10 22C
AV_ADRS7 23C
AV_ADRS4 24C
AV_ADRS1 25C
AV_IOWR_L 26C
AV_DATA6 27C
AV_DATA3 28C
AV_DATA0 29C
+3.3V 30C
+5V 31C
GND 32C
[1] [4] [7] [2] [5] [10] [7] [4] [1] [6] [3] [0]
(6) SDI_YC[0-9]
(6) REC_YC[0-7]
(6) OSD_STB
(6) S_REC_AUD34
(5) S_PB_AUD34
(6) ISP_SEL9
(6) CONF_INFO
(6) ISP_TCK
(6) REF_CF
(6) INCOM_HD
(4) SINCOM_CLK27
(2) AV_IOWR_L
(1) +3.3V_CON
(1) +5V_CON
(2) AV_DATA[0-7]
(2) AV_ADRS[0-10]
L3000
VLF1151A132T
+3.3V
+3.3V_CON (1)
C3000
0.1/UFV
C3002
6V47/EHB
C3004
0.1/UFV
L3001
VLF1151A132T
+5V
+5V_CON (1)
C3006
0.1/UFV
C3007
6V47/EHB
C3008
0.1/UFV
TG3000
EYF6CU
LT1963EST-2.5#TR
IC3000
C0CBAAG00011
+2.5V
1 I
O 3
G
2
C3009
6V47
C3001
0.1/UFV
C3003
6V47
C3005
0.1/UFV
A B C D E F G H I J
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

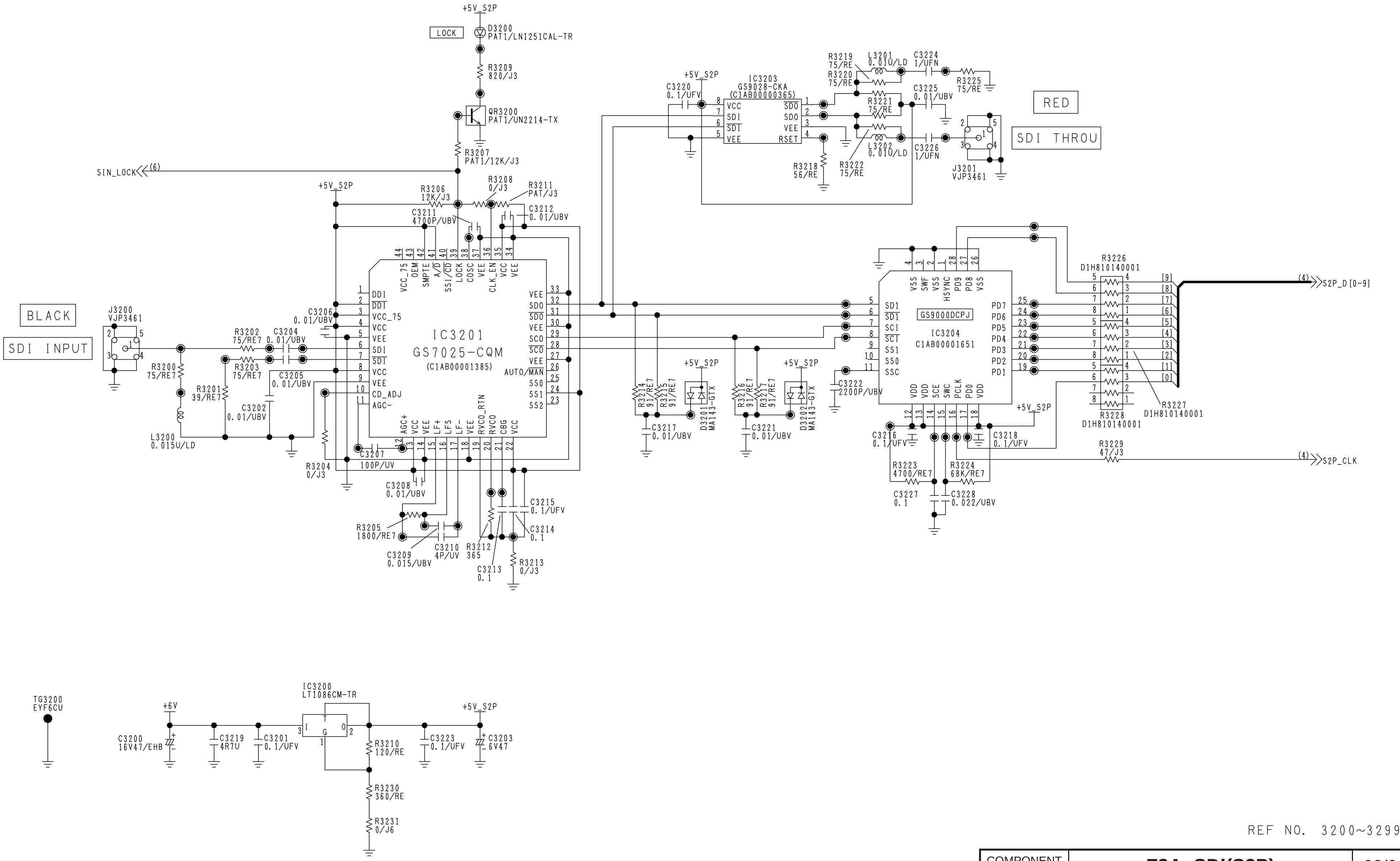
REF NO. 3000~3099

COMPONENT NAME	F3A: SDI(CONNECTOR)	01/06
CIRCUIT BOARD NO.	DRAWING NO.	
VEP83605A	KR30375 (1/6) (0)	
	SCM036	


IC3102
C0JBAZ001121
SN74LV541APWR
AV_ADRS[0-10]
(1)
[0] [1] [2] [3] [4] [5] [6] [7] [8] [9] [10]
A8 A7 A6 A5 A4 A3 A2 A1
Y8 Y7 Y6 Y5 Y4 Y3 Y2 Y1
G1 G2
R3100
1000/J3
(4,5,6)
ADRS[0-10]
IC3103
C0JBAZ001121
SN74LV541APWR
AV_IORD_L
AV_IOWR_L
AV_CS_SDI_L
AV_RST_L
R3106
47/J3
C3107
1000P/UBV
R3101
1000/J3
RD_L
WR_L
CS_SDI_L
RST_L
(4,5,6)
(6)
IC3104
C0JBAZ001137
SN74LV245APWR
AV_DATA[0-7]
B8 B7 B6 B5 B4 B3 B2 B1
G
DIR
+3.3V
R3102
D1H84734A008
R3104
D1H84734A008
(6)
DATA[0-7]
AVD_DIR
IC3105
C0JBAZ001137
SN74LV245APWR
+5V
R3103
D1H84734A008
R3105
D1H84734A008
(4,5)
DATA_5V[0-7]
AVD_DIR_5V
+3.3V
C3100
0.1/UFV
C3101
0.1/UFV
C3103
0.1/UFV
C3104
0.1/UFV
IC3102
C0JBAZ001121
IC3103
C0JBAZ001121
IC3104
C0JBAZ001137
IC3105
C0JBAZ001137
A B C D E F G H I J
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

REF NO. 3100~3199

COMPONENT NAME	**F3A: SDI(SYSIO)**	02/06
CIRCUIT BOARD NO.	DRAWING NO.	
VEP83605A	KR30375 (2/6) (0)	
	SCM037	


BLACK
SDI INPUT
J3200
VJP3461
R3200
75/RE7
L3200
0.015U/LD
R3201
39/RE7
R3202
75/RE7
R3203
75/RE7
C3204
0.01/UBV
C3205
0.01/UBV
C3202
0.01/UBV
C3206
0.01/UBV
R3204
0/J3
C3207
100P/UV
C3208
0.01/UBV
R3205
1800/RE7
C3209
0.015/UBV
C3210
4P/UV
R3212
365
C3213
0.1
C3214
0.1
C3215
0.1/UFV
R3213
0/J3
IC3201
GS7025-CQM
(C1AB00001385)
DDI
DDI
VCC_75
VCC
VEE
SDI
SDI
VCC
VEE
CD_ADJ
AGC-
AGC+
VCC
VEE
LF+
LFS
LF-
VEE
RVCO_RTN
RVCO
CBG
VCC
VEE
SDO
SDO
VEE
SCO
SCO
VEE
AUTO/MAN
SS0
SS1
SS2
VCC_75
OEM
SMPTE
A/D
LOCK
SSI/CD
COSC
VEE
CLK_EN
VCC
VEE
+5V_S2P
LOCK
D3200
PAT1/LN1251CAL-TR
R3209
820/J3
QR3200
PAT1/UN2214-TX
R3207
PAT1/12K/J3
SIN_LOCK
(6)
R3206
12K/J3
R3208
0/J3
R3211
PAT/J3
C3211
4700P/UBV
C3212
0.01/UBV
IC3203
GS9028-CKA
(C1AB00000365)
C3220
0.1/UFV
VCC
SDI
SDI
VEE
SDO
SDO
VEE
RSET
R3218
56/RE
R3219
75/RE
R3220
75/RE
R3221
75/RE
R3222
75/RE
L3201
0.010/LD
L3202
0.010/LD
C3224
1/UFN
C3225
0.01/UBV
C3226
1/UFN
R3225
75/RE
RED
SDI THROU
J3201
VJP3461
R3214
91/RE7
R3215
91/RE7
C3217
0.01/UBV
D3201
MA143-GTX
R3216
91/RE7
R3217
91/RE7
C3221
0.01/UBV
D3202
MA143-GTX
IC3204
GS9000DCPJ
C1AB00001651
SDI
SDI
SCI
SCI
SS1
SS0
SSC
VSS
SWF
VSS
HSYNC
PD9
PD8
VSS
PD7
PD6
PD5
PD4
PD3
PD2
PD1
VDD
VDD
SCE
SWC
PCLK
PD0
VDD
C3222
2200P/UBV
C3216
0.1/UFV
C3218
0.1/UFV
R3223
4700/RE7
R3224
68K/RE7
C3227
0.1
C3228
0.022/UBV
R3226
D1H810140001
R3227
D1H810140001
R3228
D1H810140001
R3229
47/J3
[9]
[8]
[7]
[6]
[5]
[4]
[3]
[2]
[1]
[0]
(4) S2P_D[0-9]
(4) S2P_CLK
TG3200
EYF6CU
+6V
C3200
16V47/EHB
C3219
4R7U
C3201
0.1/UFV
IC3200
LT1086CM-TR
I
G
O
R3210
120/RE
R3230
360/RE
R3231
0/J6
C3223
0.1/UFV
C3203
6V47
A
B
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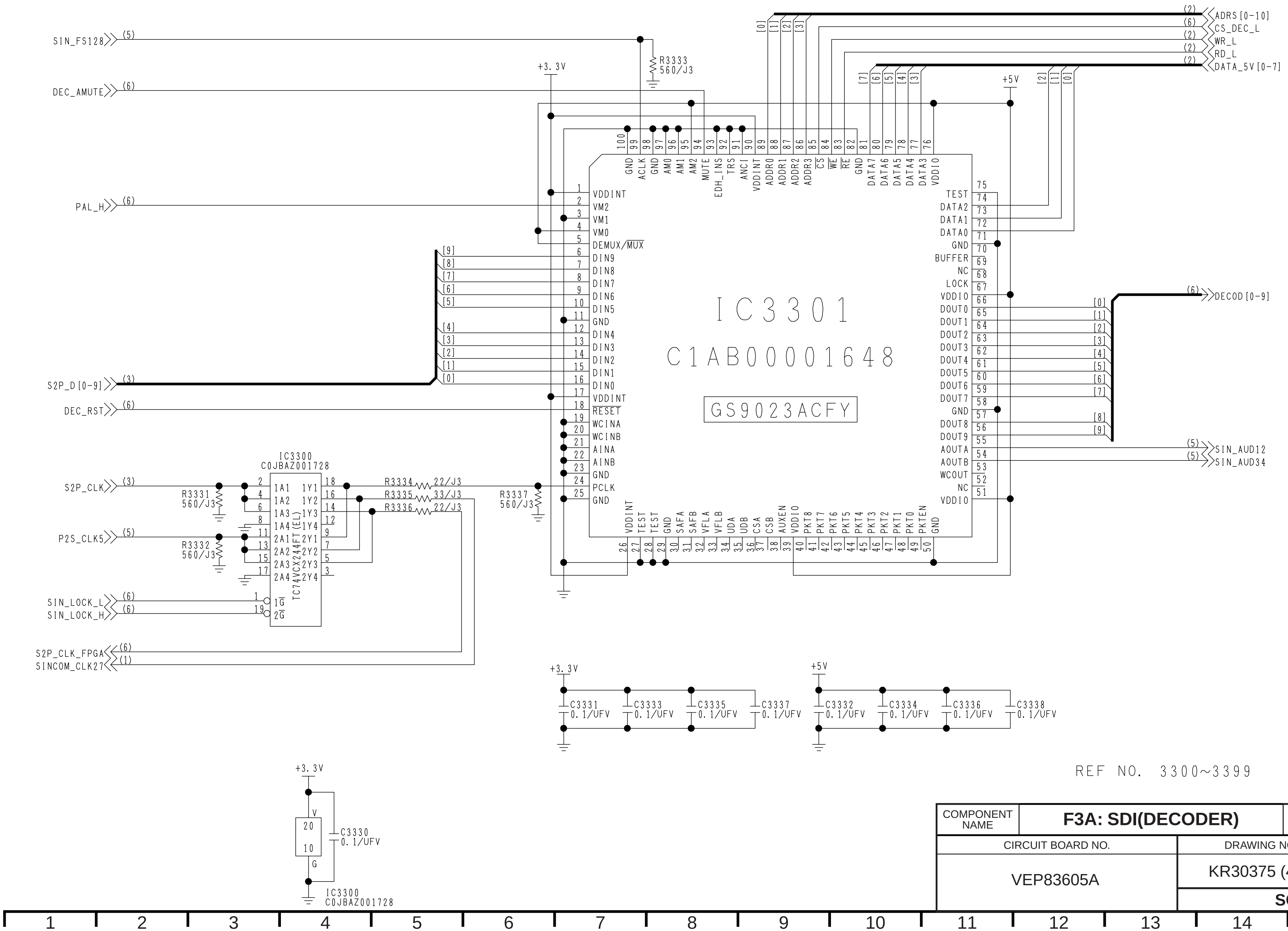
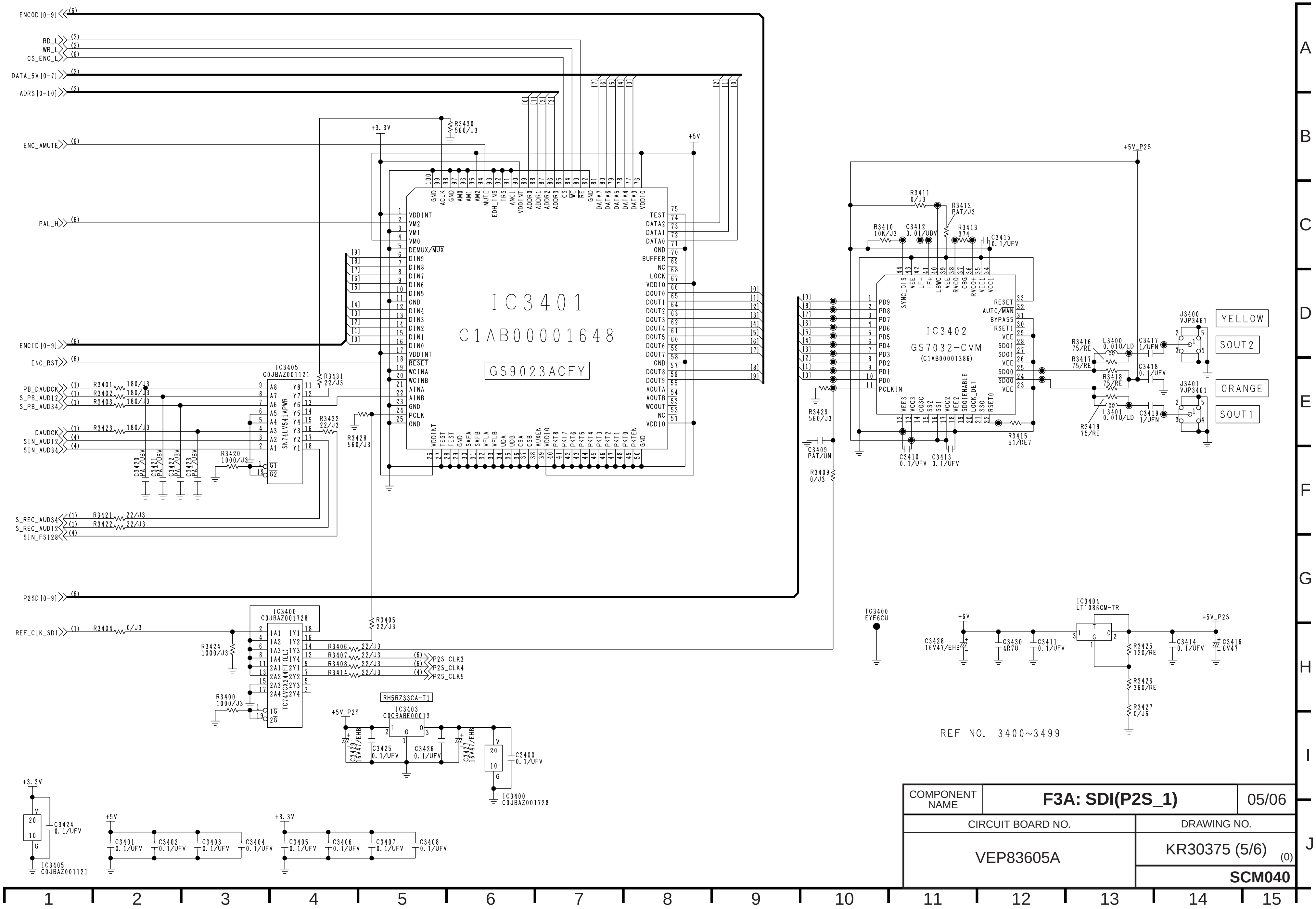
REF NO. 3200~3299

COMPONENT NAME	**F3A: SDI(S2P)**	03/06
CIRCUIT BOARD NO.	DRAWING NO.	
VEP83605A	KR30375 (3/6) (0)	
	SCM038	


SIN_FS128 (5)
DEC_AMUTE (6)
PAL_H (6)
S2P_D[0-9] (3)
DEC_RST (6)
S2P_CLK (3)
P2S_CLK5 (5)
SIN_LOCK_L (6)
SIN_LOCK_H (6)
S2P_CLK_FPGA (6)
SINCOM_CLK27 (1)
R3333 560/J3
+3.3V
+5V
(2) ADRS[0-10]
(6) CS_DEC_L
(2) WR_L
(2) RD_L
(2) DATA_5V[0-7]
(6) DECOD[0-9]
(5) SIN_AUD12
(5) SIN_AUD34
IC3301
C1AB00001648
GS9023ACFY
VDDINT
VM2
VM1
VM0
DEMUX/MUX
DIN9
DIN8
DIN7
DIN6
DIN5
GND
DIN4
DIN3
DIN2
DIN1
DIN0
VDDINT
RESET
WCINA
WCINB
AINA
AINB
GND
PCLK
GND
GND
ACLK
GND
AM0
AM1
AM2
MUTE
EDH_INS
TRS
ANCI
VDDINT
ADDR0
ADDR1
ADDR2
ADDR3
CS
WE
RE
GND
DATA7
DATA6
DATA5
DATA4
DATA3
VDDIO
TEST
DATA2
DATA1
DATA0
GND
BUFFER
NC
LOCK
VDDIO
DOUT0
DOUT1
DOUT2
DOUT3
DOUT4
DOUT5
DOUT6
DOUT7
GND
DOUT8
DOUT9
AOUTA
AOUTB
WCOUT
NC
VDDIO
VDDINT
TEST
TEST
GND
SAFA
SAFB
VFLA
VFLB
UDA
UDB
CSA
CSB
AUXEN
VDDIO
PKT8
PKT7
PKT6
PKT5
PKT4
PKT3
PKT2
PKT1
PKT0
PKTEN
GND
IC3300
C0JBAZ001728
TC74VCX244FT(EL)
1A1 1A2 1A3 1A4 2A1 2A2 2A3 2A4
1Y1 1Y2 1Y3 1Y4 2Y1 2Y2 2Y3 2Y4
1G 2G
R3331 560/J3
R3332 560/J3
R3334 22/J3
R3335 33/J3
R3336 22/J3
R3337 560/J3
C3331 0.1/UFV
C3333 0.1/UFV
C3335 0.1/UFV
C3337 0.1/UFV
C3332 0.1/UFV
C3334 0.1/UFV
C3336 0.1/UFV
C3338 0.1/UFV
C3330 0.1/UFV
V 20 10 G
IC3300 C0JBAZ001728

REF NO. 3300~3399

COMPONENT NAME	F3A: SDI(DECODER)	04/06
CIRCUIT BOARD NO.	DRAWING NO.	
VEP83605A	KR30375 (4/6) (0)	
	SCM039	


ENCOD[0-9]
RD_L
WR_L
CS_ENC_L
DATA_5V[0-7]
ADRS[0-10]
ENC_AMUTE
PAL_H
ENCID[0-9]
ENC_RST
PB_DAUDCK
S_PB_AUD12
S_PB_AUD34
DAUDCK
SIN_AUD12
SIN_AUD34
S_REC_AUD34
S_REC_AUD12
SIN_FS128
P2SD[0-9]
REF_CLK_SDI
IC3401
C1AB00001648
GS9023ACFY
IC3402
GS7032-CVM
(C1AB00001386)
IC3405
C0JBAZ001121
SN74LV541APWR
IC3400
C0JBAZ001728
TC74VCX244FT(EL)
IC3403
C0CBABE00013
RH5RZ33CA-T1
IC3404
LT1086CM-TR
J3400
VJP3461
YELLOW
SOUT2
J3401
VJP3461
ORANGE
SOUT1
TG3400
EYF6CU
P2S_CLK3
P2S_CLK4
P2S_CLK5
+3.3V
+5V
+5V_P2S
+6V
R3430 560/J3
R3431 22/J3
R3432 22/J3
R3428 560/J3
R3401 180/J3
R3402 180/J3
R3403 180/J3
R3423 180/J3
R3420 1000/J3
R3421 22/J3
R3422 22/J3
R3404 0/J3
R3424 1000/J3
R3405 22/J3
R3406 22/J3
R3407 22/J3
R3408 22/J3
R3414 22/J3
R3400 1000/J3
R3409 0/J3
R3429 560/J3
R3410 10K/J3
R3411 0/J3
R3412 PAT/J3
R3413 374
R3415 51/RE7
R3416 75/RE
R3417 75/RE
R3418 75/RE
R3419 75/RE
R3425 120/RE
R3426 360/RE
R3427 0/J6
L3400 0.01U/LD
L3401 0.01U/LD
C3400 0.1/UFV
C3401 0.1/UFV
C3402 0.1/UFV
C3403 0.1/UFV
C3404 0.1/UFV
C3405 0.1/UFV
C3406 0.1/UFV
C3407 0.1/UFV
C3408 0.1/UFV
C3409 PAT/UN
C3410 0.1/UFV
C3411 0.1/UFV
C3412 0.01/UBV
C3413 0.1/UFV
C3414 0.1/UFV
C3415 0.1/UFV
C3416 6V47
C3417 1/UFN
C3418 0.1/UFV
C3419 1/UFN
C3420 PAT/UBV
C3421 PAT/UBV
C3422 PAT/UBV
C3423 PAT/UBV
C3424 0.1/UFV
C3425 0.1/UFV
C3426 0.1/UFV
C3427 16V47/EHB
C3428 16V47/EHB
C3429 16V47/EHB
C3430 4R7U
REF NO. 3400~3499
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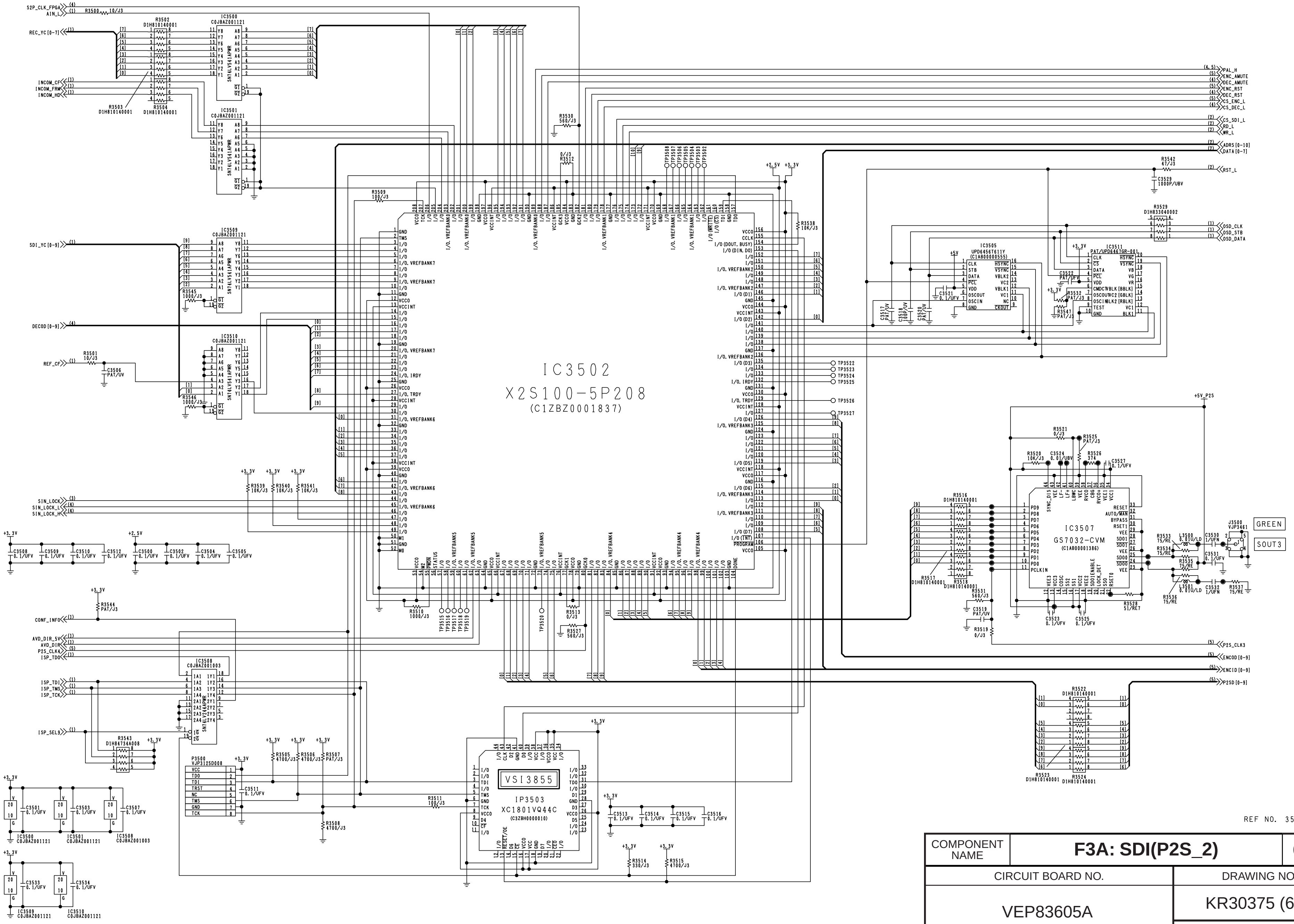
COMPONENT NAME	F3A: SDI(P2S_1)	05/06
CIRCUIT BOARD NO.	DRAWING NO.	
VEP83605A	KR30375 (5/6) (0)	
	SCM040	


IC3502
X2S100-5P208
(C1ZBZ0001837)
IC3507
GS7032-CVM
(C1AB00001386)
VSI3855
IP3503
XC1801VQ44C
(C3ZBH0000010)
IC3500
C0JBAZ001121
IC3501
C0JBAZ001121
IC3509
C0JBAZ001121
IC3510
C0JBAZ001121
IC3508
C0JBAZ001003
IC3505
UPD6456T611Y
IC3511
PAT/UPD6447TGR-001
J3500
GREEN
SOUT3
S2P_CLK_FPGA
AIN_L
REC_YC[0-7]
INCOM_CF
INCOM_FRM
INCOM_HD
SDI_YC[0-9]
DECOD[0-9]
REF_CF
SIN_LOCK
SIN_LOCK_L
SIN_LOCK_H
CONF_INFO
AVD_DIR_5V
AVD_DIR
P2S_CLK4
ISP_TDO
ISP_TDI
ISP_TMS
ISP_TCK
ISP_SEL
PAL_H
ENC_AMUTE
DEC_AMUTE
ENC_RST
DEC_RST
CS_ENC_L
CS_DEC_L
CS_SDI_L
RD_L
WR_L
ADRS[0-10]
DATA[0-7]
RST_L
OSD_CLK
OSD_STB
OSD_DATA
P2S_CLK3
ENCOD[0-9]
ENCID[0-9]
P2SD[0-9]
+5V_P2S
A
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C
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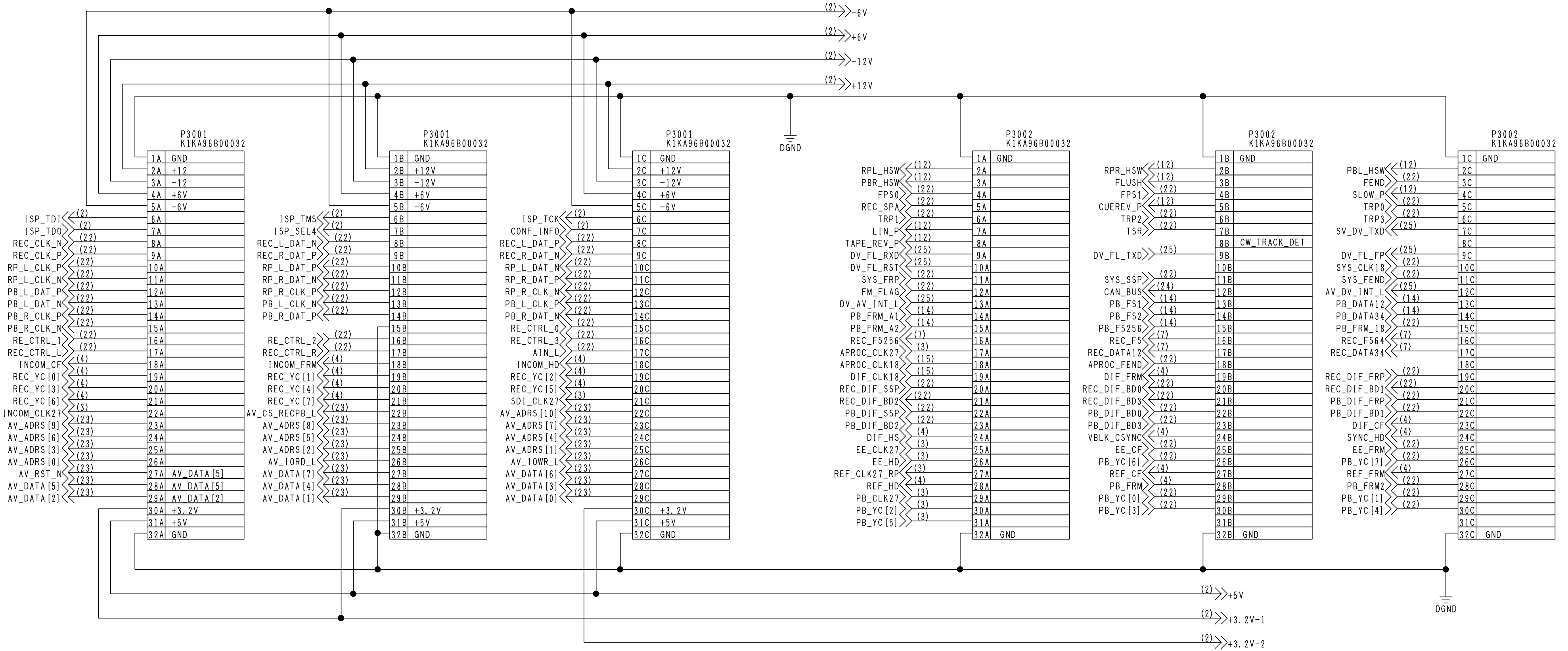
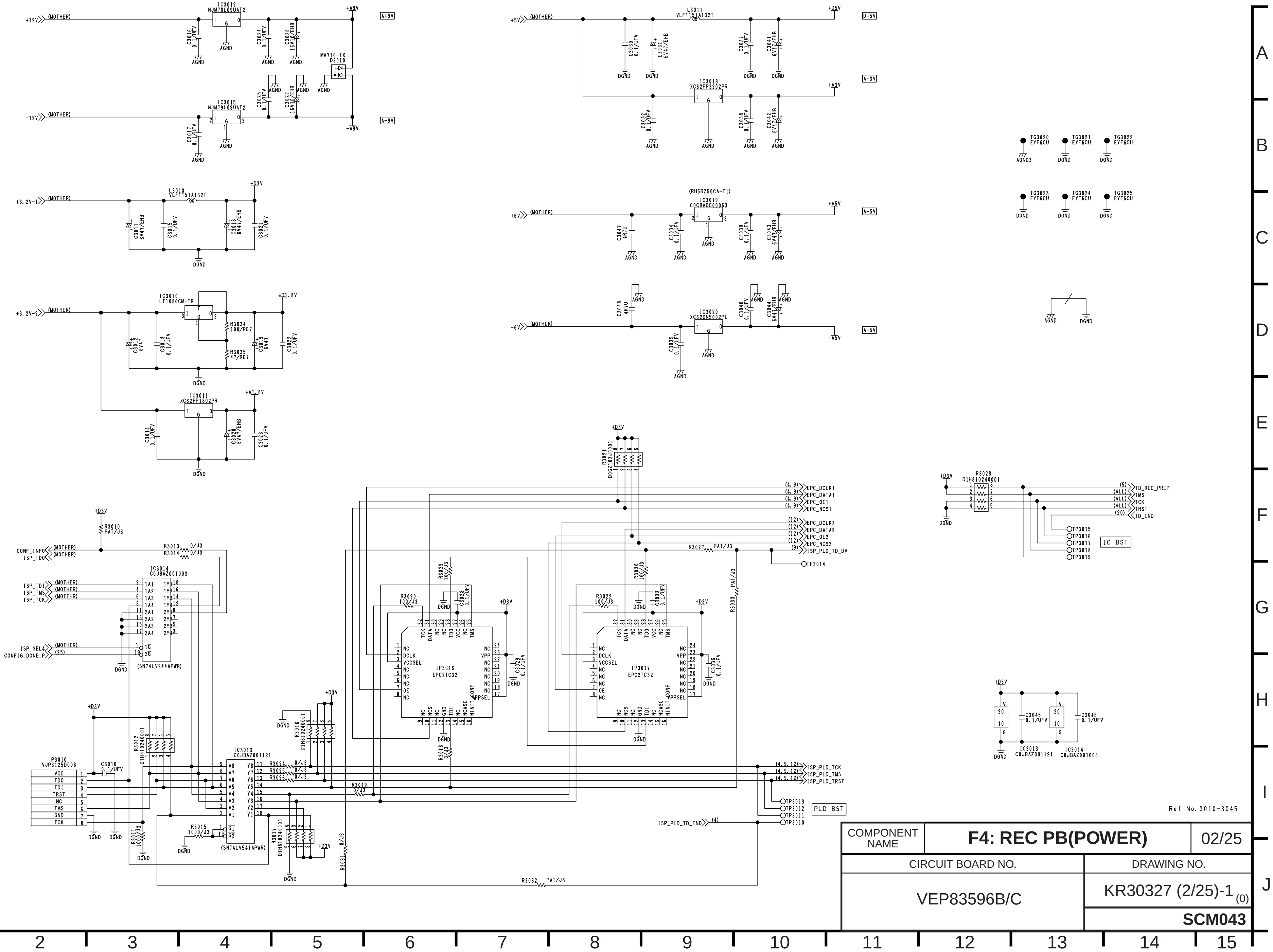
REF NO. 3500~3599

COMPONENT NAME	F3A: SDI(P2S_2)	06/06
CIRCUIT BOARD NO.	DRAWING NO.	
VEP83605A	KR30375 (6/6) (0)	
	SCM041	


(2) -6V
(2) +6V
(2) -12V
(2) +12V
DGND
P3001
K1KA96B00032
1A GND
2A +12
3A -12
4A +6V
5A -6V
ISP_TDI (2) 6A
ISP_TDO (2) 7A
REC_CLK_N (22) 8A
REC_CLK_P (22) 9A
RP_L_CLK_P (22) 10A
RP_L_CLK_N (22) 11A
PB_L_DAT_P (22) 12A
PB_L_DAT_N (22) 13A
PB_R_CLK_P (22) 14A
PB_R_CLK_N (22) 15A
RE_CTRL_1 (22) 16A
REC_CTRL_L (22) 17A
INCOM_CF (4) 18A
REC_YC [0] (4) 19A
REC_YC [3] (4) 20A
REC_YC [6] (4) 21A
INCOM_CLK27 (3) 22A
AV_ADRS [9] (23) 23A
AV_ADRS [6] (23) 24A
AV_ADRS [3] (23) 25A
AV_ADRS [0] (23) 26A
AV_RST_N (23) 27A AV_DATA [5]
AV_DATA [5] (23) 28A AV_DATA [5]
AV_DATA [2] (23) 29A AV_DATA [2]
30A +3. 2V
31A +5V
32A GND
P3001
K1KA96B00032
1B GND
2B +12V
3B -12V
4B +6V
5B -6V
ISP_TMS (2) 6B
ISP_SEL4 (2) 7B
REC_L_DAT_N (22) 8B
REC_R_DAT_P (22) 9B
RP_L_DAT_P (22) 10B
RP_R_DAT_N (22) 11B
RP_R_CLK_P (22) 12B
PB_L_CLK_N (22) 13B
PB_R_DAT_P (22) 14B
15B
RE_CTRL_2 (22) 16B
REC_CTRL_R (22) 17B
INCOM_FRM (4) 18B
REC_YC [1] (4) 19B
REC_YC [4] (4) 20B
REC_YC [7] (4) 21B
AV_CS_RECPB_L (23) 22B
AV_ADRS [8] (23) 23B
AV_ADRS [5] (23) 24B
AV_ADRS [2] (23) 25B
AV_IORD_L (23) 26B
AV_DATA [7] (23) 27B
AV_DATA [4] (23) 28B
AV_DATA [1] (23) 29B
30B +3. 2V
31B +5V
32B GND
P3001
K1KA96B00032
1C GND
2C +12V
3C -12V
4C +6V
5C -6V
ISP_TCK (2) 6C
CONF_INFO (2) 7C
REC_L_DAT_P (22) 8C
REC_R_DAT_N (22) 9C
RP_L_DAT_N (22) 10C
RP_R_DAT_P (22) 11C
RP_R_CLK_N (22) 12C
PB_L_CLK_P (22) 13C
PB_R_DAT_N (22) 14C
RE_CTRL_0 (22) 15C
RE_CTRL_3 (22) 16C
AIN_L (22) 17C
INCOM_HD (4) 18C
REC_YC [2] (4) 19C
REC_YC [5] (4) 20C
SDI_CLK27 (3) 21C
AV_ADRS [10] (23) 22C
AV_ADRS [7] (23) 23C
AV_ADRS [4] (23) 24C
AV_ADRS [1] (23) 25C
AV_IOWR_L (23) 26C
AV_DATA [6] (23) 27C
AV_DATA [3] (23) 28C
AV_DATA [0] (23) 29C
30C +3. 2V
31C +5V
32C GND
P3002
K1KA96B00032
1A GND
RPL_HSW (12) 2A
PBR_HSW (12) 3A
FPS0 (22) 4A
REC_SPA (22) 5A
TRP1 (22) 6A
LIN_P (12) 7A
TAPE_REV_P (12) 8A
DV_FL_RXD (25) 9A
DV_FL_RST (25) 10A
SYS_FRP (22) 11A
FM_FLAG (22) 12A
DV_AV_INT_L (25) 13A
PB_FRM_A1 (14) 14A
PB_FRM_A2 (14) 15A
REC_FS256 (7) 16A
APROC_CLK27 (3) 17A
APROC_CLK18 (15) 18A
DIF_CLK18 (15) 19A
REC_DIF_SSP (22) 20A
REC_DIF_BD2 (22) 21A
PB_DIF_SSP (22) 22A
PB_DIF_BD2 (22) 23A
DIF_HS (4) 24A
EE_CLK27 (3) 25A
EE_HD (3) 26A
REF_CLK27_RP (3) 27A
REF_HD (4) 28A
PB_CLK27 (3) 29A
PB_YC [2] (3) 30A
PB_YC [5] (3) 31A
32A GND
P3002
K1KA96B00032
1B GND
RPR_HSW (12) 2B
FLUSH (12) 3B
FPS1 (22) 4B
CUEREV_P (12) 5B
TRP2 (22) 6B
TSR (22) 7B
8B CW_TRACK_DET
DV_FL_TXD (25) 9B
10B
SYS_SSP (22) 11B
CAN_BUS (24) 12B
PB_FS1 (14) 13B
PB_FS2 (14) 14B
PB_FS256 (14) 15B
REC_FS (7) 16B
REC_DATA12 (7) 17B
APROC_FEND (22) 18B
DIF_FRM (4) 19B
REC_DIF_BD0 (22) 20B
REC_DIF_BD3 (22) 21B
PB_DIF_BD0 (22) 22B
PB_DIF_BD3 (22) 23B
VBLK_CSYNC (4) 24B
EE_CF (22) 25B
PB_YC [6] (22) 26B
REF_CF (4) 27B
PB_FRM (4) 28B
PB_YC [0] (22) 29B
PB_YC [3] (22) 30B
31B
32B GND
P3002
K1KA96B00032
1C GND
PBL_HSW (12) 2C
FEND (22) 3C
SLOW_P (12) 4C
TRP0 (22) 5C
TRP3 (22) 6C
SV_DV_TXD (25) 7C
8C
DV_FL_FP (25) 9C
SYS_CLK18 (22) 10C
SYS_FEND (22) 11C
AV_DV_INT_L (25) 12C
PB_DATA12 (14) 13C
PB_DATA34 (14) 14C
PB_FRM_18 (22) 15C
REC_FS64 (7) 16C
REC_DATA34 (7) 17C
18C
REC_DIF_FRP (22) 19C
REC_DIF_BD1 (22) 20C
PB_DIF_FRP (22) 21C
PB_DIF_BD1 (22) 22C
DIF_CF (4) 23C
SYNC_HD (4) 24C
EE_FRM (22) 25C
PB_YC [7] (22) 26C
REF_FRM (4) 27C
PB_FRM2 (22) 28C
PB_YC [1] (22) 29C
PB_YC [4] (22) 30C
31C
32C GND
(2) +5V
(2) +3. 2V-1
(2) +3. 2V-2
DGND

Ref No. 3001-3002

COMPONENT NAME	**F4: REC PB(MOTHER)**	01/25
CIRCUIT BOARD NO.	DRAWING NO.	
VEP83596B/C	KR30327 (1/25) (0)	
	SCM042	


IC3012 NJM78L09UAT2
IC3015 NJM79L09UAT2
+12V (MOTHER)
-12V (MOTHER)
+A9V
-A9V
A+9V
A-9V
MA716-TX D3010
L3010 VLF151A132T
+3.2V-1 (MOTHER)
+3.2V-2 (MOTHER)
+D3V
IC3010 LT1086CM-TR
+D1.8V
R3034 100/RE7
R3035 47/RE7
IC3011 XC62FP1802PR
+A1.8V
+5V (MOTHER)
L3011 VLF151A132T
+D5V
D+5V
IC3018 XC62FP3202PR
+A3V
A+3V
+6V (MOTHER)
(RH5RZ50CA-T1) IC3019 C0CBADC00063
+A5V
A+5V
-6V (MOTHER)
IC3020 XC62DN5002PL
-A5V
A-5V
TG3020 EYF6CU
TG3021 EYF6CU
TG3022 EYF6CU
TG3023 EYF6CU
TG3024 EYF6CU
TG3025 EYF6CU
AGND
DGND
AGND3
R3021 D0GZ103J0001
EPC_DCLK1
EPC_DATA1
EPC_OE1
EPC_NCS1
EPC_DCLK2
EPC_DATA2
EPC_OE2
EPC_NCS2
R3027 PAT/J3
ISP_PLD_TD_DV
TP3014
R3028 D1H810240001
TD_REC_PREP
TMS
TCK
TRST
TD_END
TP3015
TP3016
TP3017
TP3018
TP3019
IC BST
R3010 PAT/J3
CONF_INFO (MOTHER)
ISP_TDO (MOTHER)
R3013 0/J3
R3014 0/J3
IC3014 C0JBAZ001003
ISP_TDI (MOTHER)
ISP_TMS (MOTHER)
ISP_TCK (MOTEHR)
ISP_SEL4 (MOTHER)
CONFIG_DONE_P (25)
(SN74LV244APWR)
IP3016 EPC2TC32
IP3017 EPC2TC32
R3020 100/J3
R3022 100/J3
R3029 100/J3
R3030 100/J3
R3033 PAT/J3
R3018 0/J3
R3016 D1H810240001
P3010 VJP3125D008
VCC
TDO
TDI
TRST
NC
TMS
GND
TCK
C3010 0.1/UFV
R3012 D1H810240001
IC3013 C0JBAZ001121
R3024 0/J3
R3025 0/J3
R3026 0/J3
R3019 0/J3
R3015 1000/J3
R3011 1000/J3
(SN74LV541APWR)
R3017 D1H810240001
R3031 0/J3
R3032 PAT/J3
ISP_PLD_TCK
ISP_PLD_TMS
ISP_PLD_TRST
TP3013
TP3012
TP3011
TP3010
PLD BST
ISP_PLD_TD_END (4)
C3045 0.1/UFV
C3046 0.1/UFV
IC3013 C0JBAZ001121
IC3014 C0JBAZ001003
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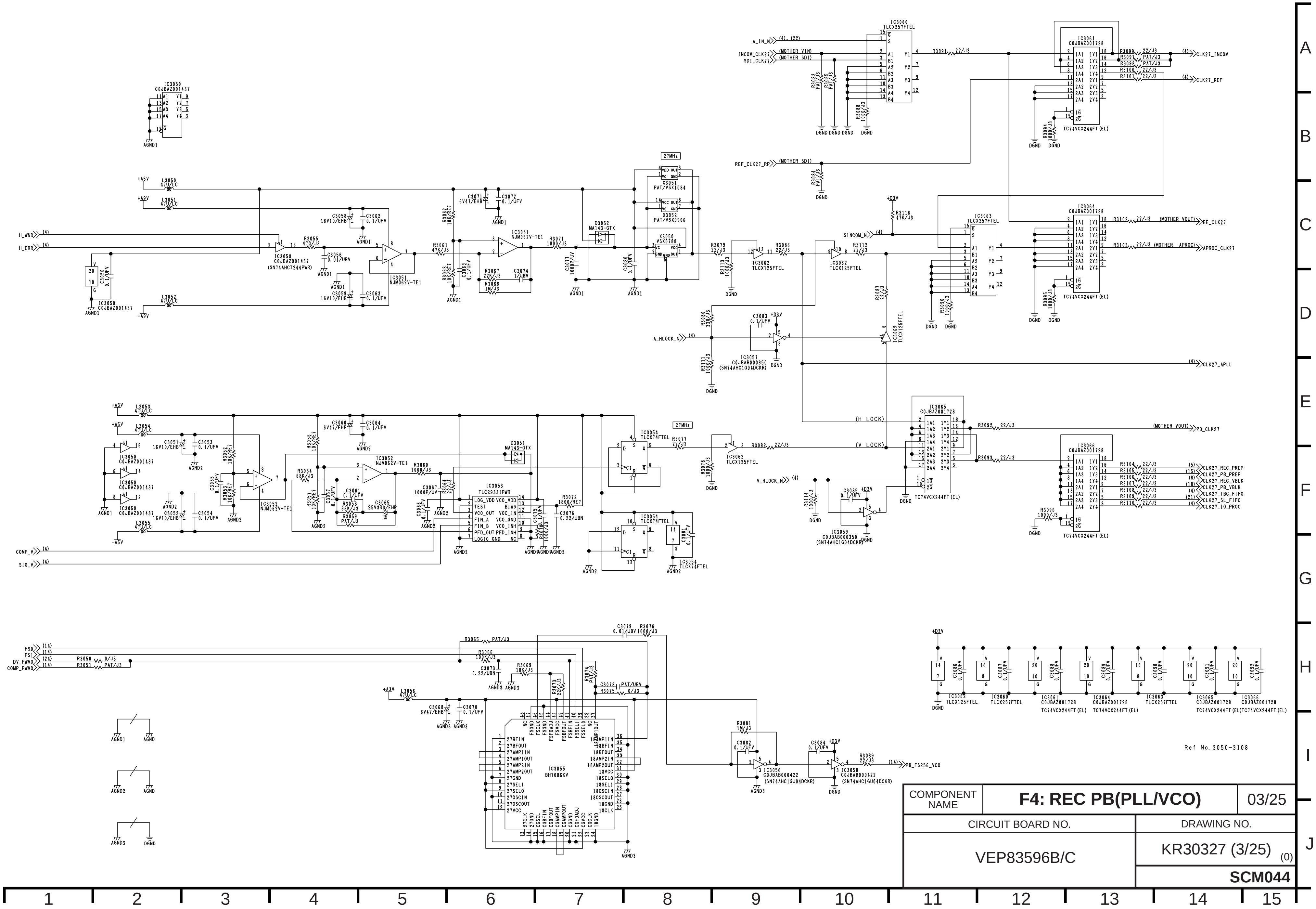
Ref No. 3010-3045

COMPONENT NAME	F4: REC PB(POWER)	02/25
CIRCUIT BOARD NO.	DRAWING NO.	
VEP83596B/C	KR30327 (2/25)-1$_{(0)}$	
	SCM043	


IC3050 C0JBAZ001437
IC3051 NJM062V-TE1
IC3052 NJM062V-TE1
IC3053 TLC2933IPWR
IC3054 TLCX74FTEL
IC3055 BH7086KV
IC3056 C0JBAB000422 (SN74AHC1GU04DCKR)
IC3057 C0JBAB000350 (SN74AHC1G04DCKR)
IC3058 C0JBAB000422 (SN74AHC1GU04DCKR)
IC3059 C0JBAB000350 (SN74AHC1G04DCKR)
IC3060 TLCX257FTEL
IC3061 C0JBAZ001728 TC74VCX244FT(EL)
IC3062 TLCX125FTEL
IC3063 TLCX257FTEL
IC3064 C0JBAZ001728 TC74VCX244FT(EL)
IC3065 C0JBAZ001728 TC74VCX244FT(EL)
IC3066 C0JBAZ001728 TC74VCX244FT(EL)
X3050 VSX0788
X3051 PAT/VSX1084
X3052 PAT/VSX0906
D3051 MA143-GTX
D3052 MA143-GTX
27MHz
H_WND
H_ERR
COMP_V
SIG_V
A_IN_N
INCOM_CLK27
SDI_CLK27
REF_CLK27_RP
SINCOM_N
A_HLOCK_N
V_HLOCK_N
CLK27_INCOM
CLK27_REF
EE_CLK27
APROC_CLK27
CLK27_APLL
PB_CLK27
CLK27_REC_PREP
CLK27_PB_PREP
CLK27_REC_VBLK
CLK27_PB_VBLK
CLK27_TBC_FIFO
CLK27_SL_FIFO
CLK27_IO_PROC
PB_FS256_VCO
FS0
FS1
DV_PWM0
COMP_PWM0
(MOTHER VIN)
(MOTHER SDI)
(MOTHER VOUT)
(MOTHER APROC)
(H LOCK)
(V LOCK)
+A5V
+A9V
-A9V
+A3V
-A5V
+D3V
AGND1
AGND2
AGND3
DGND
Ref No. 3050-3108
A
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F
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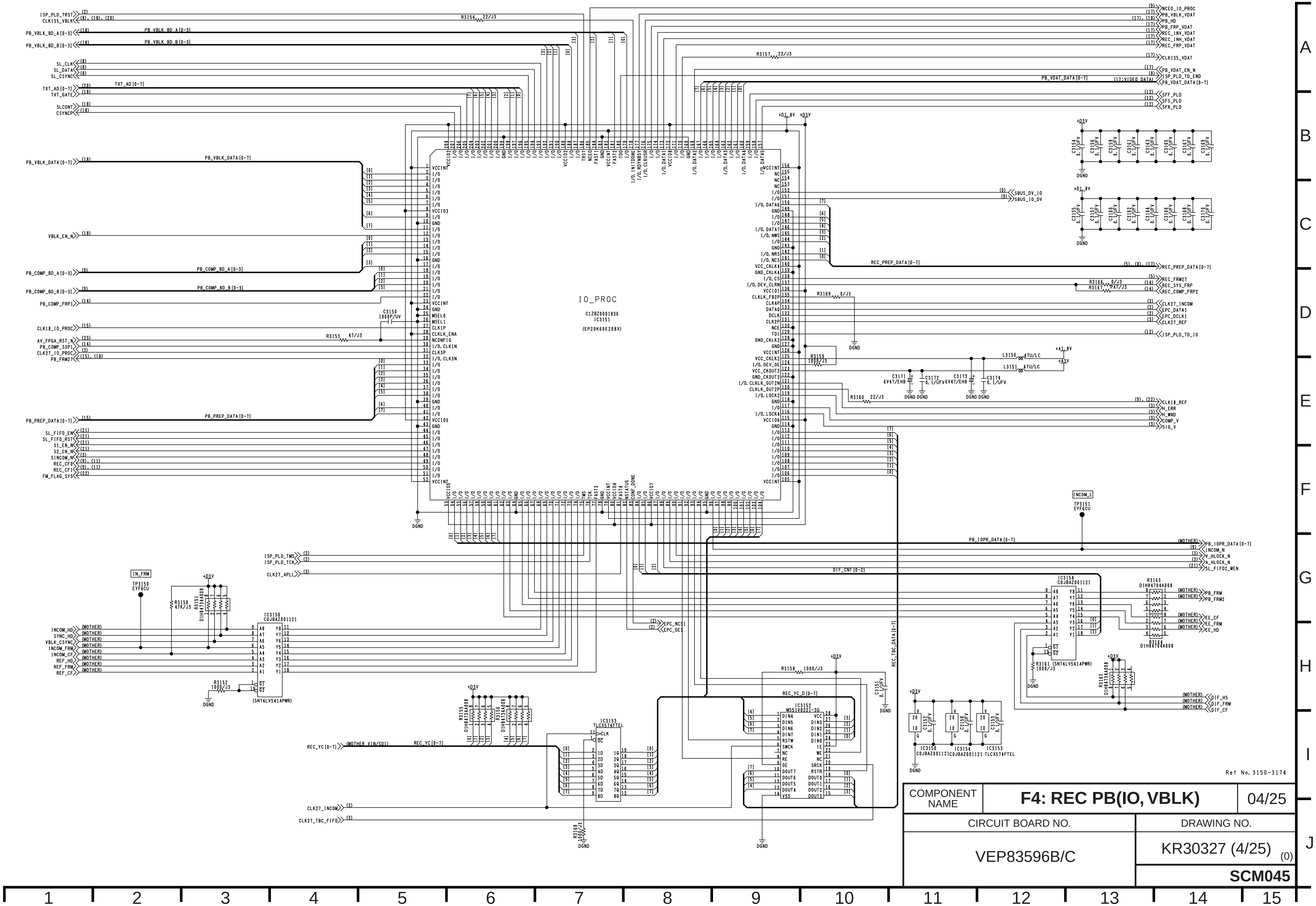
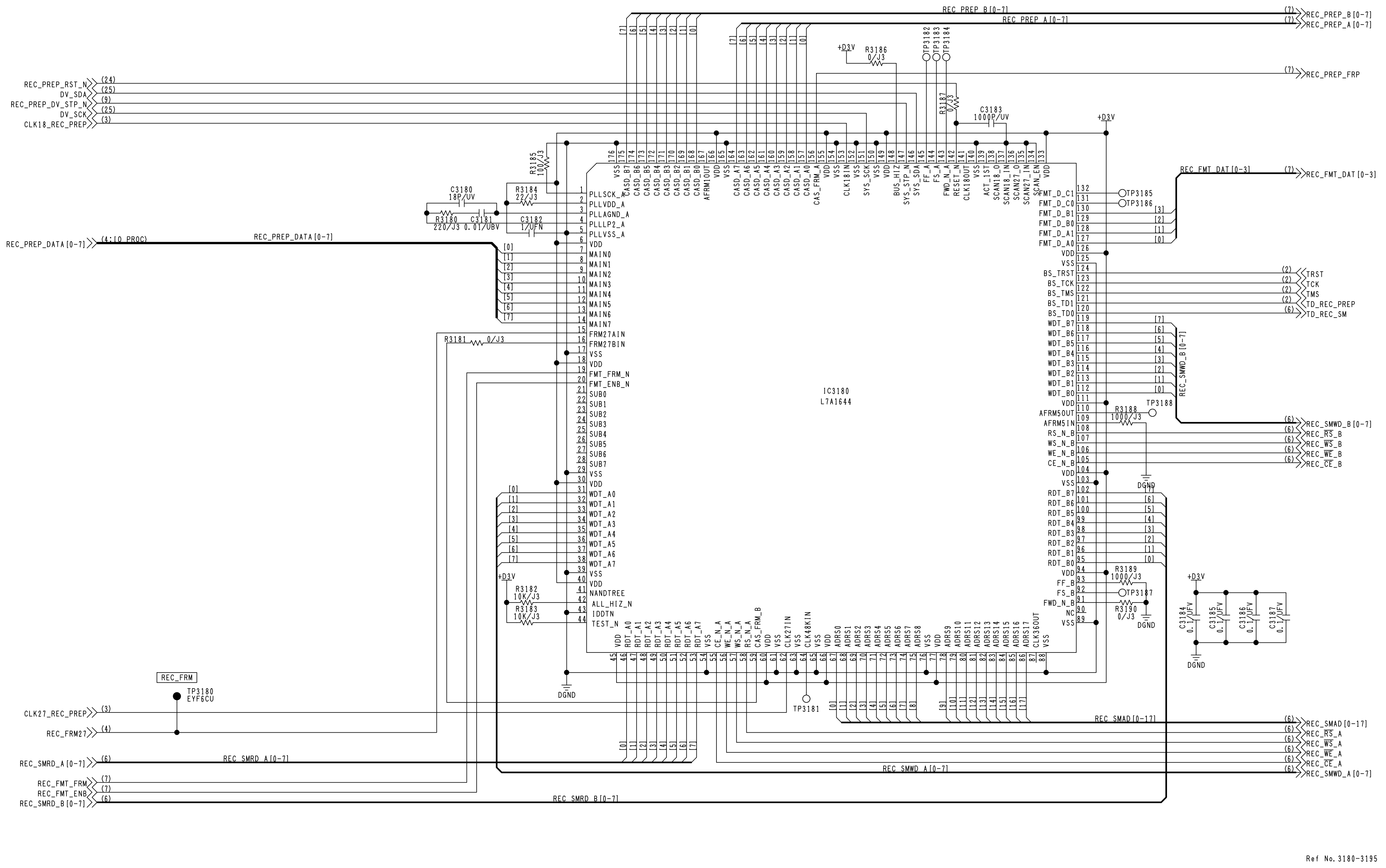
COMPONENT NAME	F4: REC PB(PLL/VCO)	03/25

CIRCUIT BOARD NO.	DRAWING NO.
VEP83596B/C	KR30327 (3/25) (0)
	SCM044

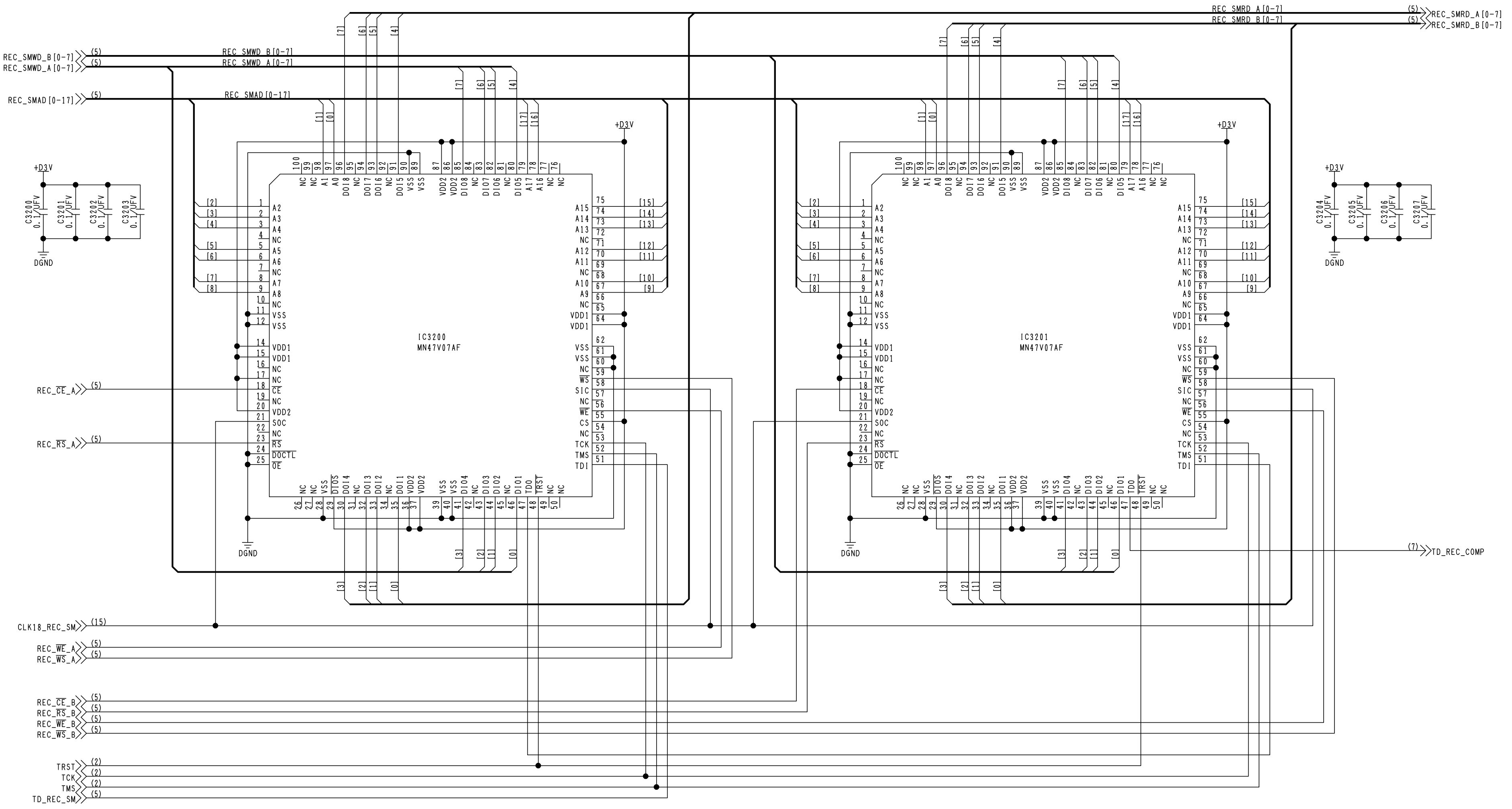

IO_PROC
C1ZBZ0001836
IC3151
(EP20K60E208X)
ISP_PLD_TRST
CLK135_VBLK
PB_VBLK_BD_A[0-3]
PB_VBLK_BD_B[0-3]
SL_CLK
SL_DATA
SL_CSYNC
TXT_AD[0-7]
TXT_GATE
SLCONT
CSYNCP
PB_VBLK_DATA[0-7]
VBLK_EN_N
PB_COMP_BD_A[0-3]
PB_COMP_BD_B[0-3]
PB_COMP_FRP1
CLK18_IO_PROC
AV_FPGA_RST_N
PB_COMP_SSP1
CLK27_IO_PROC
PB_FRM27
PB_PREP_DATA[0-7]
SL_FIFO_EN
SL_FIFO_RST
S1_EN_N
S2_EN_N
S1NCOM_N
REC_CF0
REC_CF1
FM_FLAG_SYS
NCEO_IO_PROC
PB_VBLK_VDAT
PB_HD
PB_FRP_VDAT
REC_INV_VDAT
REC_INH_VDAT
REC_FRP_VDAT
CLK135_VDAT
PB_VDAT_EN_N
ISP_PLD_TD_END
PB_VDAT_DATA[0-7]
SFF_PLD
SFS_PLD
SFR_PLD
SBUS_DV_IO
SBUS_IO_DV
REC_PREP_DATA[0-7]
REC_FRM27
REC_SYS_FRP
REC_COMP_FRP2
CLK27_INCOM
EPC_DATA1
EPC_DCLK1
CLK27_REF
ISP_PLD_TD_IO
CLK18_REF
H_ERR
H_WND
COMP_V
SIG_V
PB_IOPR_DATA[0-7]
INCOM_N
V_HLOCK_N
H_HLOCK_N
SL_FIFO2_WEN
DIF_CNT[0-2]
PB_FRM
PB_FRM2
EE_CF
EE_FRM
EE_HD
DIF_HS
DIF_FRM
DIF_CF
ISP_PLD_TMS
ISP_PLD_TCK
CLK27_APLL
EPC_NCS1
EPC_OE1
INCOM_HD
SYNC_HD
VBLK_CSYNC
INCOM_FRM
INCOM_CF
REF_HD
REF_FRM
REF_CF
REC_YC[0-7]
REC_YC_D[0-7]
REC_TBC_DATA[0-7]
CLK27_INCOM
CLK27_TBC_FIFO
IN_FRM
TP3150
EYF6CU
INCOM_L
TP3151
IC3150
C0JBAZ001121
(SN74LV541APWR)
IC3152
M551V8221-3G
IC3153
TLCX574FTEL
IC3154
C0JBAZ001121
R3150 47K/J3
R3152 1000/J3
R3153 47/J3
R3154 22/J3
R3157 22/J3
R3158 1000/J3
R3159 1000/J3
R3160 22/J3
R3161 1000/J3
R3166 0/J3
R3167 PAT/J3
R3168 1000/J3
R3169 0/J3
C3150 1000P/UV
L3150 47U/LC
L3151 47U/LC
+D1.8V
+D3V
+A1.8V
+A3V
DGND
(MOTHER)
(MOTHER VIN/SDI)
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
A B C D E F G H I J

Ref No. 3150-3174

COMPONENT NAME	F4: REC PB(IO, VBLK)	04/25
CIRCUIT BOARD NO.	DRAWING NO.	
VEP83596B/C	KR30327 (4/25) (0)	
	SCM045	

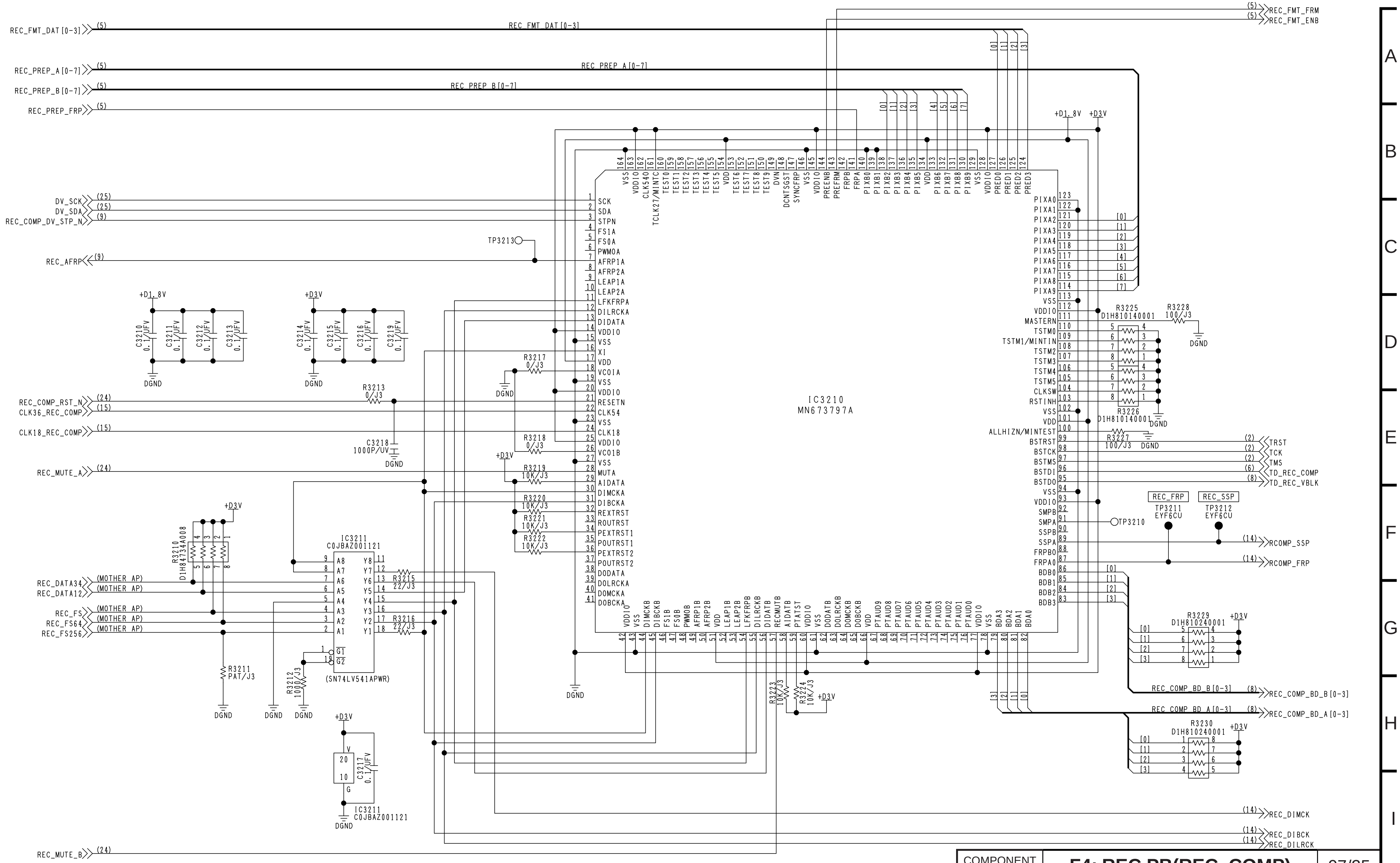

IC3180
L7A1644
REC_PREP_RST_N (24)
DV_SDA (25)
REC_PREP_DV_STP_N (9)
DV_SCK (25)
CLK18_REC_PREP (3)
REC_PREP_DATA[0-7] (4:IO PROC)
REC_PREP_DATA[0-7]
REC_PREP_B[0-7] (7)
REC_PREP_A[0-7] (7)
REC_PREP_FRP (7)
REC_FMT_DAT[0-3] (7)
TRST (2)
TCK (2)
TMS (2)
TD_REC_PREP (2)
TD_REC_SM (6)
REC_SMWD_B[0-7] (6)
REC_RS_B (6)
REC_WS_B (6)
REC_WE_B (6)
REC_CE_B (6)
REC_SMAD[0-17] (6)
REC_RS_A (6)
REC_WS_A (6)
REC_WE_A (6)
REC_CE_A (6)
REC_SMWD_A[0-7] (6)
CLK27_REC_PREP (3)
REC_FRM27 (4)
REC_SMRD_A[0-7] (6)
REC_FMT_FRM (7)
REC_FMT_ENB (7)
REC_SMRD_B[0-7] (6)
REC_SMRD_A[0-7]
REC_SMWD_A[0-7]
REC_SMRD_B[0-7]
REC_SMWD_B[0-7]
REC_FRM
TP3180 EYF6CU
TP3181
TP3182
TP3183
TP3184
TP3185
TP3186
TP3187
TP3188
R3180 220/J3
R3181 0/J3
R3182 10K/J3
R3183 10K/J3
R3184 22/J3
R3185 100/J3
R3186 0/J3
R3187 0/J3
R3188 1000/J3
R3189 1000/J3
R3190 0/J3
C3180 18P/UV
C3181 0.01/UBV
C3182 1/UFN
C3183 1000P/UV
C3184 0.1/UFV
C3185 0.1/UFV
C3186 0.1/UFV
C3187 0.1/UFV
+D3V
DGND
PLLSCK_A
PLLVDD_A
PLLAGND_A
PLLLP2_A
PLLVSS_A
MAIN0
MAIN7
FRM27AIN
FRM27BIN
FMT_FRM_N
FMT_ENB_N
SUB0
SUB7
WDT_A0
WDT_A7
NANDTREE
ALL_HIZ_N
IDDTN
TEST_N
RDT_A0
RDT_A7
CE_N_A
WE_N_A
WS_N_A
RS_N_A
CAS_FRM_B
CLK27IN
CLK48KIN
ADRS0
ADRS17
CLK36OUT
RDT_B0
RDT_B7
FF_B
FS_B
FWD_N_B
NC
AFRM5OUT
AFRM5IN
RS_N_B
WS_N_B
WE_N_B
CE_N_B
WDT_B0
WDT_B7
BS_TRST
BS_TCK
BS_TMS
BS_TDI
BS_TDO
FMT_D_C1
FMT_D_C0
FMT_D_B1
FMT_D_B0
FMT_D_A1
FMT_D_A0
SCAN_EN
SCAN27_IN
SCAN27_O
SCAN18_IN
SCAN18_O
ACT_IST
CLK18OUT
RESET_N
FWD_N_A
FS_A
FF_A
SYS_SDA
SYS_STP_N
BUS_HIZ
SYS_SCK
CLK18IN
CAS_FRM_A
CASD_A0
CASD_A7
AFRM1OUT
CASD_B0
CASD_B7
VDD
VSS
Ref No. 3180-3195

COMPONENT NAME	F4: REC PB(REC_PREP)	05/25
CIRCUIT BOARD NO.	DRAWING NO.	
VEP83596B/C	KR30327 (5/25) (0)	
	SCM046	


REC_SMWD_B[0-7]
REC_SMWD_A[0-7]
REC_SMAD[0-17]
REC_SMRD_A[0-7]
REC_SMRD_B[0-7]
+D3V
DGND
C3200 0.1/UFV
C3201 0.1/UFV
C3202 0.1/UFV
C3203 0.1/UFV
C3204 0.1/UFV
C3205 0.1/UFV
C3206 0.1/UFV
C3207 0.1/UFV
IC3200 MN47V07AF
IC3201 MN47V07AF
REC_CE_A
REC_RS_A
CLK18_REC_SM
REC_WE_A
REC_WS_A
REC_CE_B
REC_RS_B
REC_WE_B
REC_WS_B
TRST
TCK
TMS
TD_REC_SM
TD_REC_COMP

Ref No. 3200-3208

COMPONENT NAME	F4: REC PB(REC_SHUF_MEM)	06/25
CIRCUIT BOARD NO.		DRAWING NO.
VEP83596B/C		KR30327 (6/25) (0)
		SCM047


REC_FMT_DAT[0-3]
REC_PREP_A[0-7]
REC_PREP_B[0-7]
REC_PREP_FRP
REC_FMT_FRM
REC_FMT_ENB
DV_SCK
DV_SDA
REC_COMP_DV_STP_N
REC_AFRP
TP3213
+D1.8V
+D3V
C3210 0.1/UFV
C3211 0.1/UFV
C3212 0.1/UFV
C3213 0.1/UFV
C3214 0.1/UFV
C3215 0.1/UFV
C3216 0.1/UFV
C3219 0.1/UFV
DGND
REC_COMP_RST_N
CLK36_REC_COMP
CLK18_REC_COMP
R3213 0/J3
C3218 1000P/UV
R3217 0/J3
R3218 0/J3
R3219 10K/J3
R3220 10K/J3
R3221 10K/J3
R3222 10K/J3
REC_MUTE_A
REC_MUTE_B
R3210 D1H84734A008
REC_DATA34
REC_DATA12
REC_FS
REC_FS64
REC_FS256
(MOTHER AP)
R3211 PAT/J3
R3212 100K/J3
IC3211 C0JBAZ001121
(SN74LV541APWR)
R3215 22/J3
R3216 22/J3
C3217 0.1/UFV
IC3210
MN673797A
SCK
SDA
STPN
FS1A
FS0A
PWM0A
AFRP1A
AFRP2A
LEAP1A
LEAP2A
LFKFRPA
DILRCKA
DIDATA
VDDIO
VSS
XI
VDD
VCOIA
RESETN
CLK54
CLK18
VCOIB
MUTA
AIDATA
DIMCKA
DIBCKA
REXTRST
ROUTRST
PEXTRST1
POUTRST1
PEXTRST2
POUTRST2
DODATA
DOLRCKA
DOMCKA
DOBCKA
PIXA0 … PIXA9
MASTERN
TSTM0
TSTM1/MINTIN
TSTM2
TSTM3
TSTM4
TSTM5
CLKSW
RSTINH
ALLHIZN/MINTEST
BSTRST
BSTCK
BSTMS
BSTDI
BSTDO
SMPB
SMPA
SSPB
SSPA
FRPB0
FRPA0
BDB0 … BDB3
BDA0 … BDA3
R3225 D1H810140001
R3226 D1H810140001
R3227 100/J3
R3228 100/J3
TRST
TCK
TMS
TD_REC_COMP
TD_REC_VBLK
REC_FRP
REC_SSP
TP3211 EYF6CU
TP3212 EYF6CU
TP3210
RCOMP_SSP
RCOMP_FRP
R3229 D1H810240001
R3230 D1H810240001
REC_COMP_BD_B[0-3]
REC_COMP_BD_A[0-3]
R3223 10K/J3
R3224 10K/J3
REC_DIMCK
REC_DIBCK
REC_DILRCK
A
B
C
D
E
F
G
H
I
J
1
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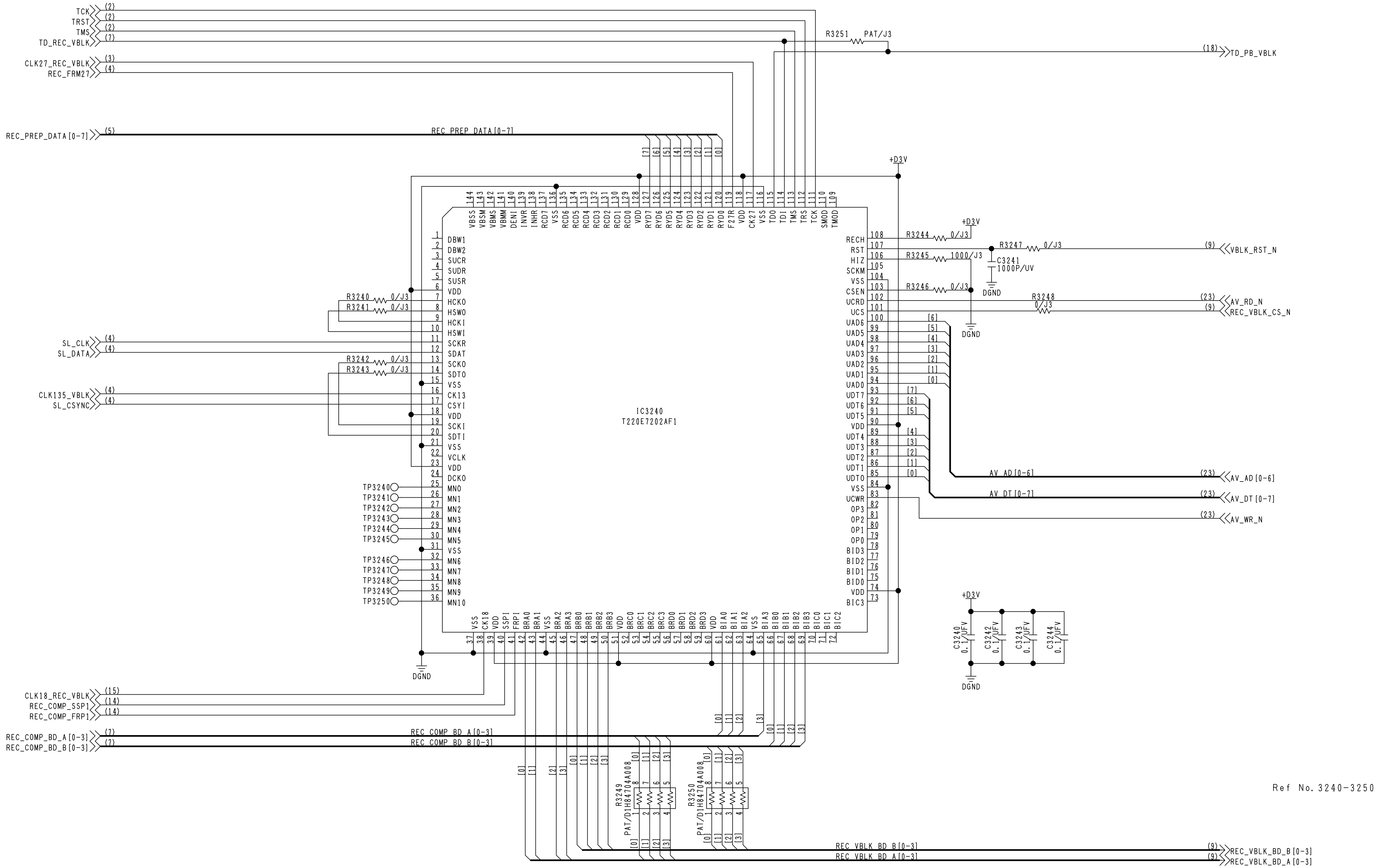
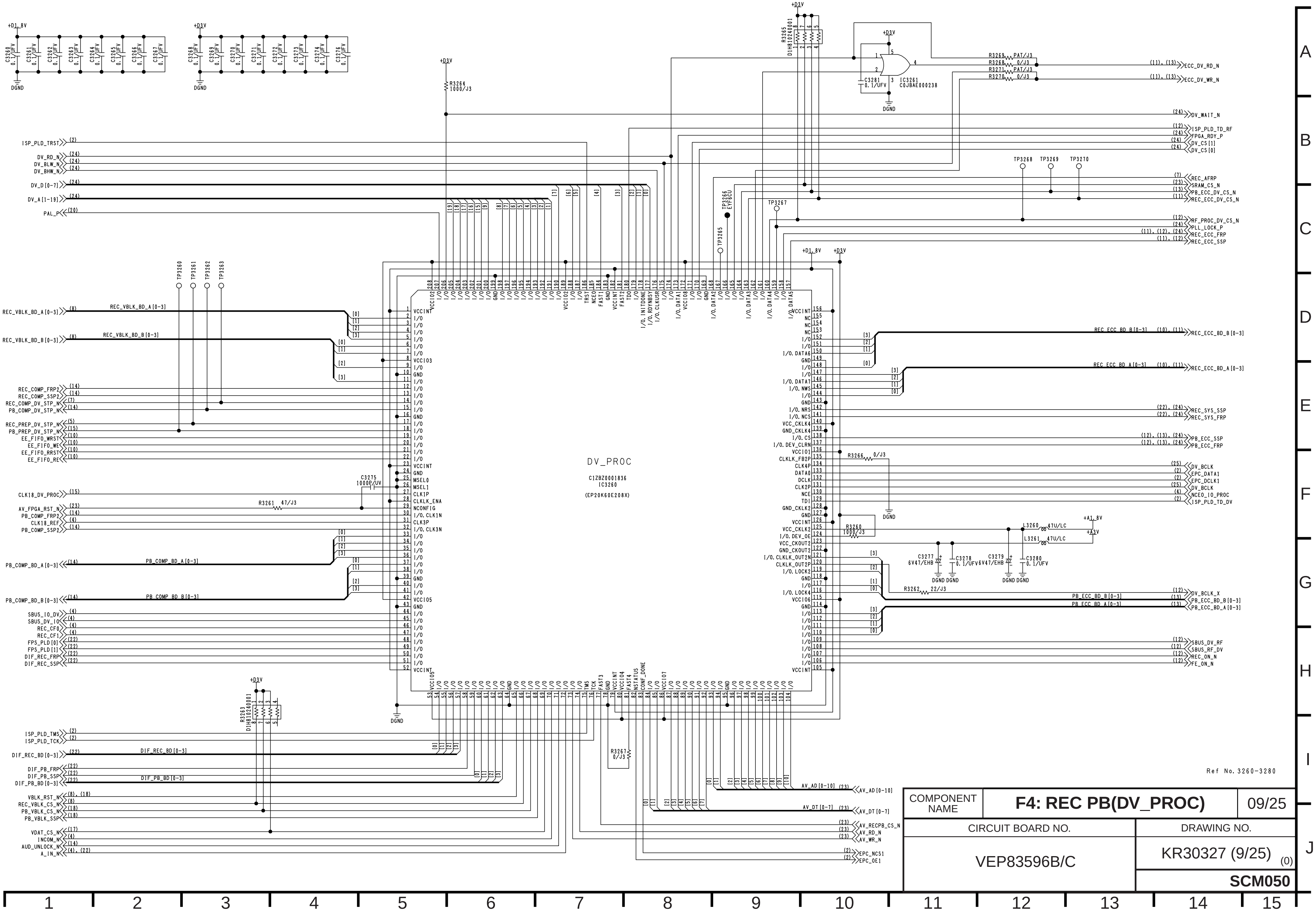
15

COMPONENT NAME	F4: REC PB(REC_COMP)	07/25
CIRCUIT BOARD NO.	DRAWING NO.	
VEP83596B/C	KR30327 (7/25) (0)	
	SCM048	

Ref No. 3210-3233


TCK
TRST
TMS
TD_REC_VBLK
CLK27_REC_VBLK
REC_FRM27
REC_PREP_DATA[0-7]
SL_CLK
SL_DATA
CLK135_VBLK
SL_CSYNC
CLK18_REC_VBLK
REC_COMP_SSP1
REC_COMP_FRP1
REC_COMP_BD_A[0-3]
REC_COMP_BD_B[0-3]
R3251 PAT/J3
TD_PB_VBLK
+D3V
R3244 0/J3
R3245 1000/J3
R3246 0/J3
R3247 0/J3
R3248 0/J3
C3241 1000P/UV
DGND
VBLK_RST_N
AV_RD_N
REC_VBLK_CS_N
AV_AD[0-6]
AV_DT[0-7]
AV_WR_N
R3240 0/J3
R3241 0/J3
R3242 0/J3
R3243 0/J3
TP3240
TP3241
TP3242
TP3243
TP3244
TP3245
TP3246
TP3247
TP3248
TP3249
TP3250
IC3240
T220E7202AF1
C3240 0.1/UFV
C3242 0.1/UFV
C3243 0.1/UFV
C3244 0.1/UFV
R3249 PAT/D1H84704A008
R3250 PAT/D1H84704A008
REC_VBLK_BD_B[0-3]
REC_VBLK_BD_A[0-3]
Ref No. 3240-3250

COMPONENT NAME	F4: REC PB(REC_VBLK)	08/25
CIRCUIT BOARD NO.	DRAWING NO.	
VEP83596B/C	KR30327 (8/25) (0)	
	SCM049	


DV_PROC
C1ZBZ0001836
IC3260
(EP20K60E208X)
+D1.8V
+D3V
DGND
C3260 – C3276 0.1/UFV
R3264 1000/J3
R3265 D1H81040001
IC3261 C0JBAE000238
C3281 0.1/UFV
R3269 PAT/J3
R3268 0/J3
R3271 PAT/J3
R3270 0/J3
ECC_DV_RD_N
ECC_DV_WR_N
DV_WAIT_N
ISP_PLD_TD_RF
FPGA_RDY_P
DV_CS[1]
DV_CS[0]
TP3268
TP3269
TP3270
REC_AFRP
SRAM_CS_N
PB_ECC_DV_CS_N
REC_ECC_DV_CS_N
RF_PROC_DV_CS_N
PLL_LOCK_P
REC_ECC_FRP
REC_ECC_SSP
TP3265
TP3266 EYF6CU
TP3267
ISP_PLD_TRST
DV_RD_N
DV_BLW_N
DV_BHW_N
DV_D[0-7]
DV_A[1-19]
PAL_P
TP3260
TP3261
TP3262
TP3263
REC_VBLK_BD_A[0-3]
REC_VBLK_BD_B[0-3]
REC_COMP_FRP2
REC_COMP_SSP2
REC_COMP_DV_STP_N
PB_COMP_DV_STP_N
REC_PREP_DV_STP_N
PB_PREP_DV_STP_N
EE_FIFO_WRST
EE_FIFO_WE
EE_FIFO_RRST
EE_FIFO_RE
C3275 1000P/UV
CLK18_DV_PROC
R3261 47/J3
AV_FPGA_RST_N
PB_COMP_FRP2
CLK18_REF
PB_COMP_SSP2
PB_COMP_BD_A[0-3]
PB_COMP_BD_B[0-3]
SBUS_IO_DV
SBUS_DV_IO
REC_CF0
REC_CF1
FPS_PLD[0]
FPS_PLD[1]
DIF_REC_FRP
DIF_REC_SSP
REC_ECC_BD_B[0-3]
REC_ECC_BD_A[0-3]
REC_SYS_SSP
REC_SYS_FRP
PB_ECC_SSP
PB_ECC_FRP
R3266 0/J3
DV_BCLK
EPC_DATA1
EPC_DCLK1
NCEO_IO_PROC
ISP_PLD_TD_DV
R3260 1000/J3
+A1.8V
+A3V
L3260 47U/LC
L3261 47U/LC
C3277 6V47/EHB
C3278 0.1/UFV
C3279 6V47/EHB
C3280 0.1/UFV
R3262 22/J3
DV_BCLK_X
PB_ECC_BD_B[0-3]
PB_ECC_BD_A[0-3]
SBUS_DV_RF
SBUS_RF_DV
REC_ON_N
FE_ON_N
R3263 D1H81040001
R3267 0/J3
ISP_PLD_TMS
ISP_PLD_TCK
DIF_REC_BD[0-3]
DIF_PB_FRP
DIF_PB_SSP
DIF_PB_BD[0-3]
VBLK_RST_N
REC_VBLK_CS_N
PB_VBLK_CS_N
PB_VBLK_SSP
VDAT_CS_N
INCOM_N
AUD_UNLOCK_N
A_IN_N
AV_AD[0-10]
AV_DT[0-7]
AV_RECPB_CS_N
AV_RD_N
AV_WR_N
EPC_NCS1
EPC_OE1
A
B
C
D
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F
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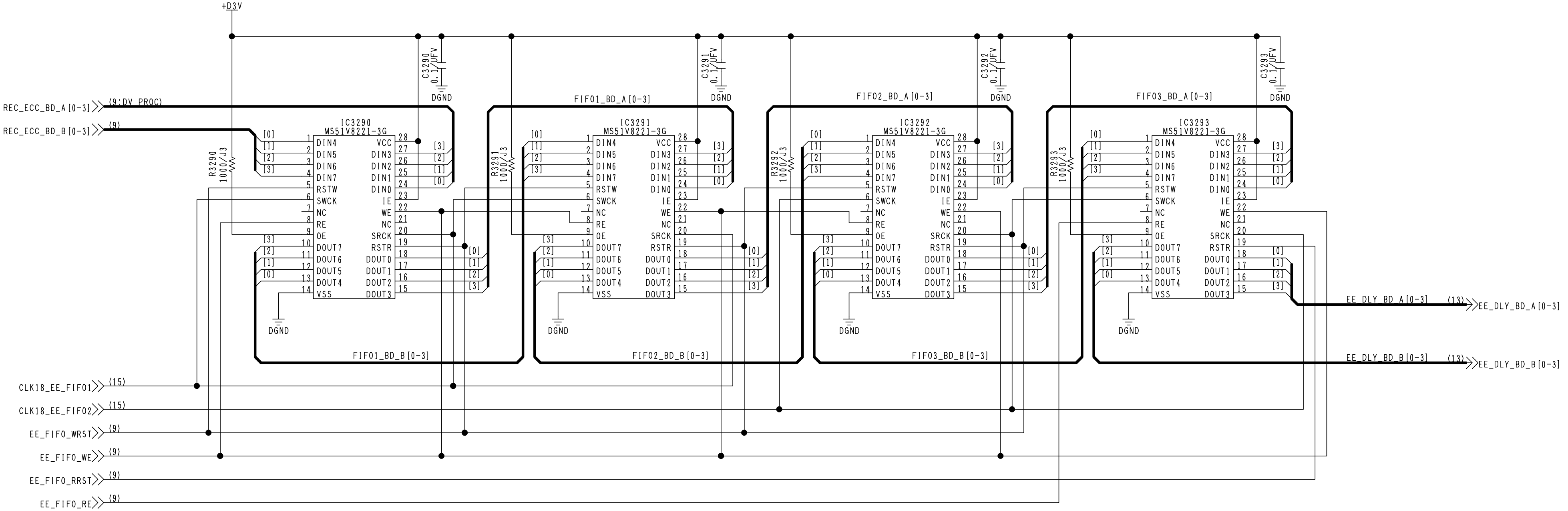
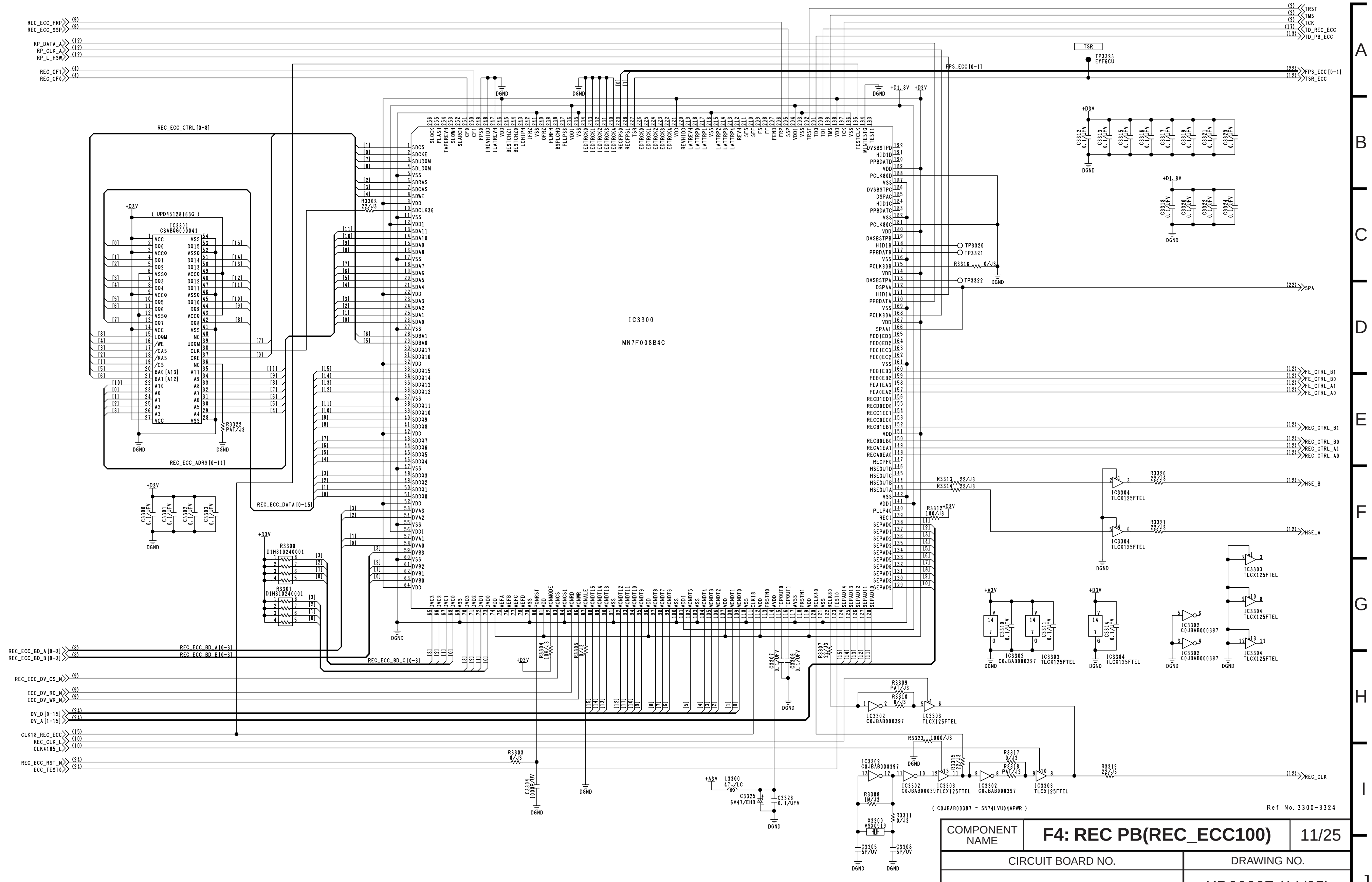
Ref No. 3260-3280

COMPONENT NAME	F4: REC PB(DV_PROC)		09/25
CIRCUIT BOARD NO.		DRAWING NO.	
VEP83596B/C		KR30327 (9/25) (0)	
		SCM050	


+D3V
REC_ECC_BD_A[0-3]
(9:DV PROC)
REC_ECC_BD_B[0-3]
(9)
IC3290
MS51V8221-3G
IC3291
MS51V8221-3G
IC3292
MS51V8221-3G
IC3293
MS51V8221-3G
DIN4
DIN5
DIN6
DIN7
RSTW
SWCK
NC
RE
OE
DOUT7
DOUT6
DOUT5
DOUT4
VSS
VCC
DIN3
DIN2
DIN1
DIN0
IE
WE
NC
SRCK
RSTR
DOUT0
DOUT1
DOUT2
DOUT3
C3290
0.1/UFV
C3291
0.1/UFV
C3292
0.1/UFV
C3293
0.1/UFV
R3290
1000/J3
R3291
1000/J3
R3292
1000/J3
R3293
1000/J3
DGND
FIFO1_BD_A[0-3]
FIFO2_BD_A[0-3]
FIFO3_BD_A[0-3]
FIFO1_BD_B[0-3]
FIFO2_BD_B[0-3]
FIFO3_BD_B[0-3]
EE_DLY_BD_A[0-3]
(13)
EE_DLY_BD_A[0-3]
EE_DLY_BD_B[0-3]
(13)
EE_DLY_BD_B[0-3]
CLK18_EE_FIFO1
(15)
CLK18_EE_FIFO2
(15)
EE_FIFO_WRST
(9)
EE_FIFO_WE
(9)
EE_FIFO_RRST
(9)
EE_FIFO_RE
(9)

Ref No.3290-3294

COMPONENT NAME	**F4: REC PB(DVBUS_EE_FIFO)**	10/25
CIRCUIT BOARD NO.	DRAWING NO.	
VEP83596B/C	KR30327 (10/25) (0)	
	SCM051	


REC_ECC_FRP
REC_ECC_SSP
RP_DATA_A
RP_CLK_A
RP_L_HSW
REC_CF1
REC_CF0
TRST
TMS
TCK
TD_REC_ECC
TD_PB_ECC
TSR
TP3323
EYF6CU
FPS_ECC [0-1]
TSR_ECC
REC_ECC_CTRL [0-8]
(UPD45128163G)
IC3301
C3ABQG000041
REC_ECC_ADRS [0-11]
REC_ECC_DATA [0-15]
R3302
22/J3
R3322
PAT/J3
IC3300
MN7F008B4C
TP3320
TP3321
TP3322
R3316 0/J3
SPA
FE_CTRL_B1
FE_CTRL_B0
FE_CTRL_A1
FE_CTRL_A0
REC_CTRL_B1
REC_CTRL_B0
REC_CTRL_A1
REC_CTRL_A0
R3313 22/J3
R3314 22/J3
R3320 22/J3
R3321 22/J3
IC3304
TLCX125FTEL
HSE_B
HSE_A
R3312 100/J3
R3300
D1H810240001
R3301
D1H810240001
REC_ECC_BD_A [0-3]
REC_ECC_BD_B [0-3]
REC_ECC_BD_C [0-3]
REC_ECC_DV_CS_N
ECC_DV_RD_N
ECC_DV_WR_N
DV_D [0-15]
DV_A [1-15]
CLK18_REC_ECC
REC_CLK_L
CLK4185_L
REC_ECC_RST_N
ECC_TEST0
R3303
0/J3
R3304
R3305
C3304
1000P/UV
L3300
47U/LC
C3325
6V47/EHB
C3326
0.1/UFV
C3307
C3309
R3307
R3309
PAT/J3
R3310
0/J3
IC3302
C0JBAB000397
IC3303
TLCX125FTEL
R3323 1000/J3
R3315
R3317
R3318
R3319 22/J3
REC_CLK
R3308
1M/J3
R3311
0/J3
X3300
VSX0919
C3305
5P/UV
C3308
5P/UV
(C0JBAB00397 = SN74LVU04APWR)
+D3V
+D1.8V
+A3V
DGND
C3300
C3301
C3302
C3303
C3310
C3311
C3312
C3313
C3314
C3315
C3316
C3317
C3318
C3319
C3320
C3321
C3322
C3323
C3324
0.1/UFV
1
2
3
4
5
6
7
8
9
10
11
12
13
14
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A
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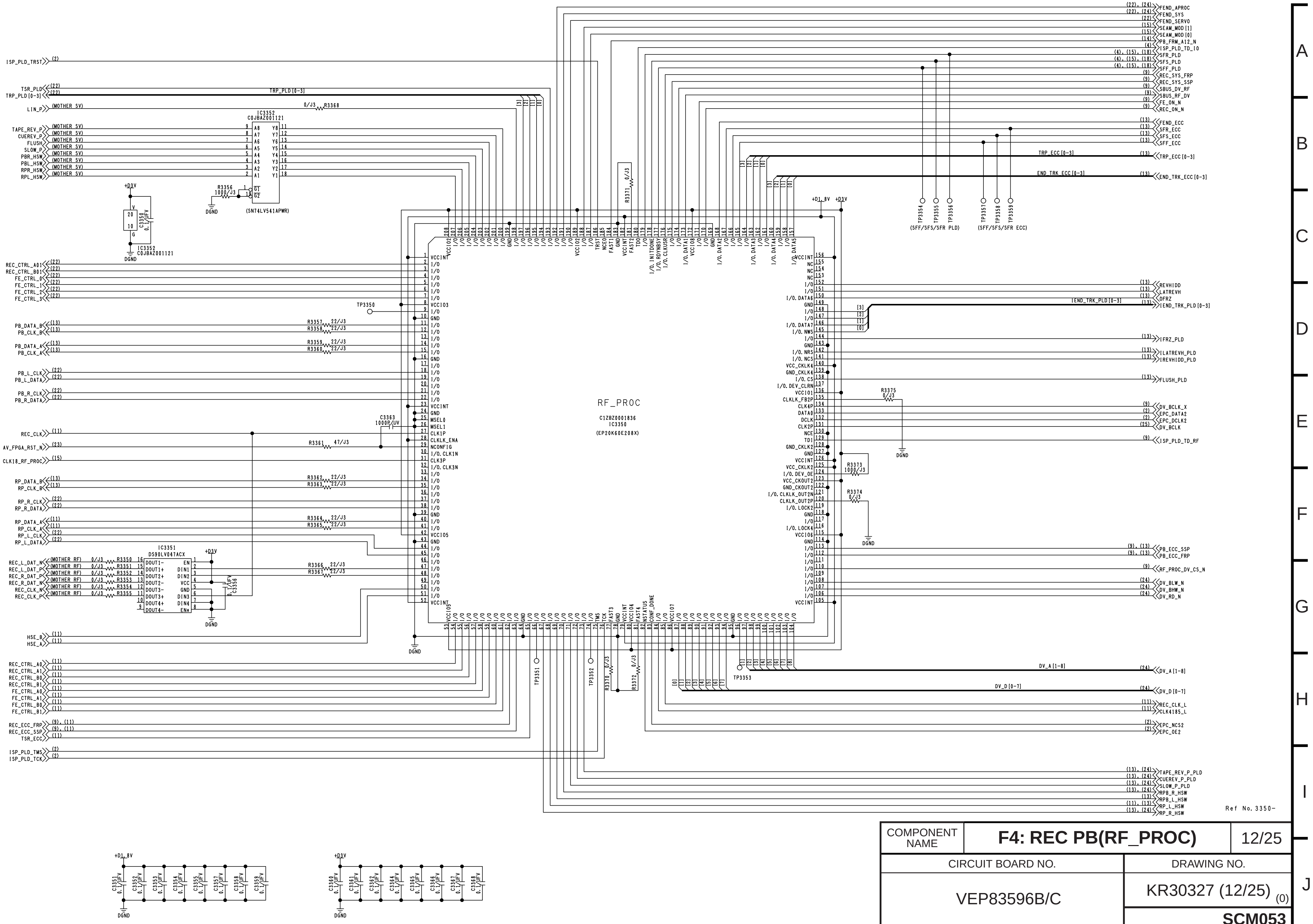
Ref No. 3300-3324

COMPONENT NAME	F4: REC PB(REC_ECC100)	11/25
CIRCUIT BOARD NO.	DRAWING NO.	
VEP83596B/C	KR30327 (11/25) (0)	
	SCM052	


RF_PROC
C1ZBZ0001836
IC3350
(EP20K60E208X)
IC3352
C0JBAZ001121
(SN74LV541APWR)
IC3351
DS90LV047ACX
ISP_PLD_TRST
TSR_PLD
TRP_PLD[0-3]
LIN_P
TAPE_REV_P
CUEREV_P
FLUSH
SLOW_P
PBR_HSW
PBL_HSW
RPR_HSW
RPL_HSW
(MOTHER SV)
REC_CTRL_A01
REC_CTRL_B01
FE_CTRL_0
FE_CTRL_1
FE_CTRL_2
FE_CTRL_3
PB_DATA_B
PB_CLK_B
PB_DATA_A
PB_CLK_A
PB_L_CLK
PB_L_DATA
PB_R_CLK
PB_R_DATA
REC_CLK
AV_FPGA_RST_N
CLK18_RF_PROC
RP_DATA_B
RP_CLK_B
RP_R_CLK
RP_R_DATA
RP_DATA_A
RP_CLK_A
RP_L_CLK
RP_L_DATA
REC_L_DAT_N
REC_L_DAT_P
REC_R_DAT_P
REC_R_DAT_N
REC_CLK_N
REC_CLK_P
(MOTHER RF)
HSE_B
HSE_A
REC_CTRL_A0
REC_CTRL_A1
REC_CTRL_B0
REC_CTRL_B1
FE_CTRL_A0
FE_CTRL_A1
FE_CTRL_B0
FE_CTRL_B1
REC_ECC_FRP
REC_ECC_SSP
TSR_ECC
ISP_PLD_TMS
ISP_PLD_TCK
FEND_APROC
FEND_SYS
FEND_SERVO
SEAM_MOD[1]
SEAM_MOD[0]
PB_FRM_A12_N
ISP_PLD_TD_IO
SFR_PLD
SFS_PLD
SFF_PLD
REC_SYS_FRP
REC_SYS_SSP
SBUS_DV_RF
SBUS_RF_DV
FE_ON_N
REC_ON_N
FEND_ECC
SFR_ECC
SFS_ECC
SFF_ECC
TRP_ECC[0-3]
END_TRK_ECC[0-3]
TP3354
TP3355
TP3356
(SFF/SFS/SFR PLD)
TP3357
TP3358
TP3359
(SFF/SFS/SFR ECC)
REVHIDD
LATREVH
OFRZ
IEND_TRK_PLD[0-3]
IFRZ_PLD
ILATREVH_PLD
IREVHIDD_PLD
FLUSH_PLD
DV_BCLK_X
EPC_DATA2
EPC_DCLK2
DV_BCLK
ISP_PLD_TD_RF
PB_ECC_SSP
PB_ECC_FRP
RF_PROC_DV_CS_N
DV_BLW_N
DV_BHW_N
DV_RD_N
DV_A[1-8]
DV_D[0-7]
REC_CLK_L
CLK4185_L
EPC_NCS2
EPC_OE2
TAPE_REV_P_PLD
CUEREV_P_PLD
SLOW_P_PLD
RPB_R_HSW
RPB_L_HSW
RP_L_HSW
RP_R_HSW
TP3350
TP3351
TP3352
TP3353
R3368 0/J3
R3356 1000/J3
R3357 22/J3
R3358 22/J3
R3359 22/J3
R3360 22/J3
R3361 47/J3
C3363 1000P/UV
R3362 22/J3
R3363 22/J3
R3364 22/J3
R3365 22/J3
R3366 22/J3
R3367 22/J3
R3350
R3351
R3352
R3353
R3354
R3355
C3350 0.1/UFV
C3356 0.1/UFV
R3371 0/J3
R3370 0/J3
R3372 0/J3
R3373 1000/J3
R3374 0/J3
R3375 0/J3
+D3V
+D1.8V
DGND
C3351
C3352
C3353
C3354
C3355
C3357
C3358
C3359
C3360
C3361
C3362
C3364
C3365
C3366
C3367
C3368
0.1/UFV
Ref No. 3350-
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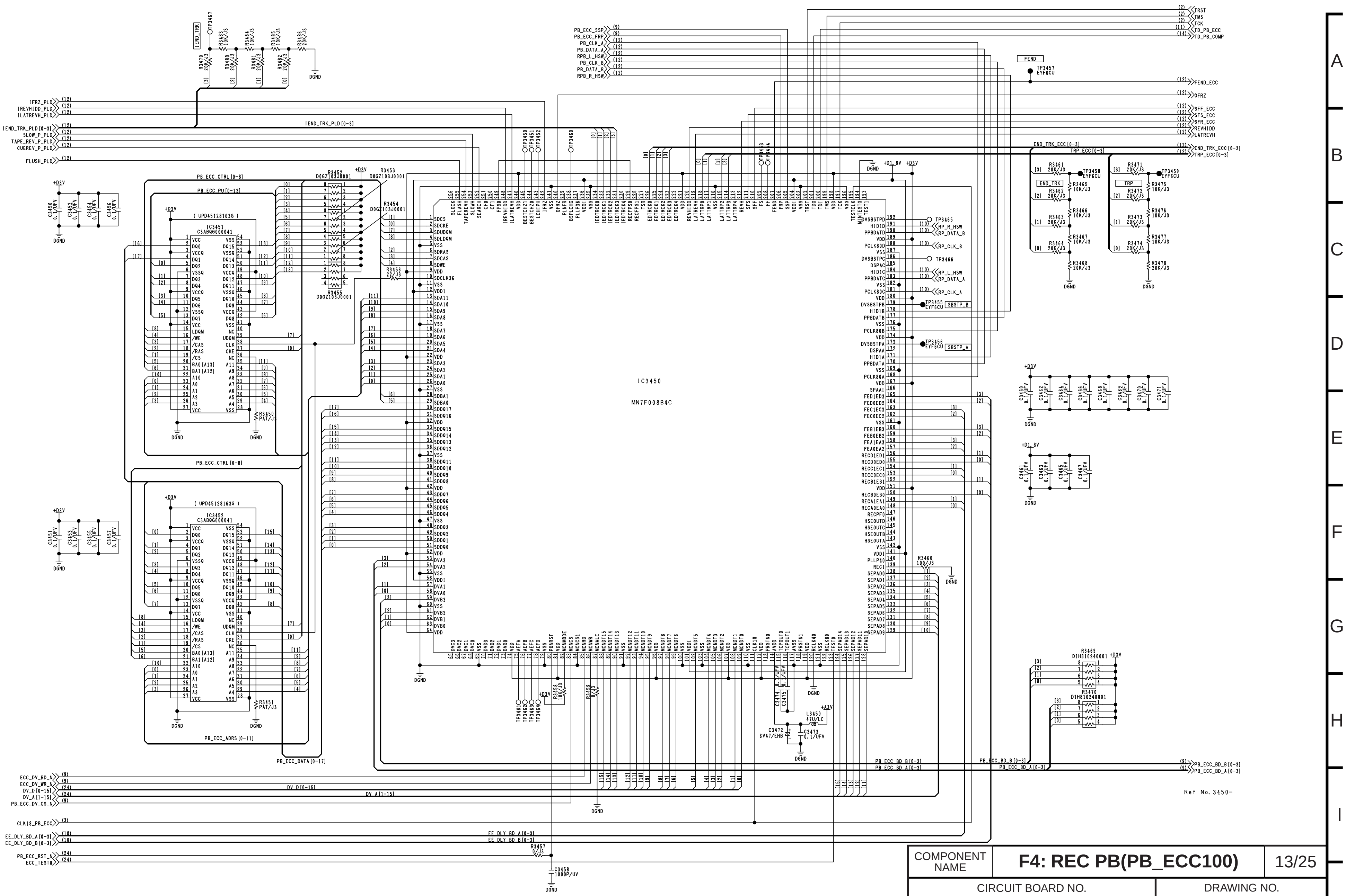
COMPONENT NAME	F4: REC PB(RF_PROC)	12/25
CIRCUIT BOARD NO.		DRAWING NO.
VEP83596B/C		KR30327 (12/25) (0)
		SCM053


IC3450
MN7F008B4C
IC3451
C3ABQG000041
(UPD45128163G)
IC3452
C3ABQG000041
(UPD45128163G)
PB_ECC_CTRL [0-8]
PB_ECC_PU [0-13]
PB_ECC_ADRS [0-11]
PB_ECC_DATA [0-17]
END_TRK_PLD [0-3]
DV_D [0-15]
DV_A [1-15]
EE_DLY_BD_A [0-3]
EE_DLY_BD_B [0-3]
PB_ECC_BD_B [0-3]
PB_ECC_BD_A [0-3]
FEND
END_TRK
TRP
DGND
+D3V
+D1.8V
+A3V
Ref No. 3450-
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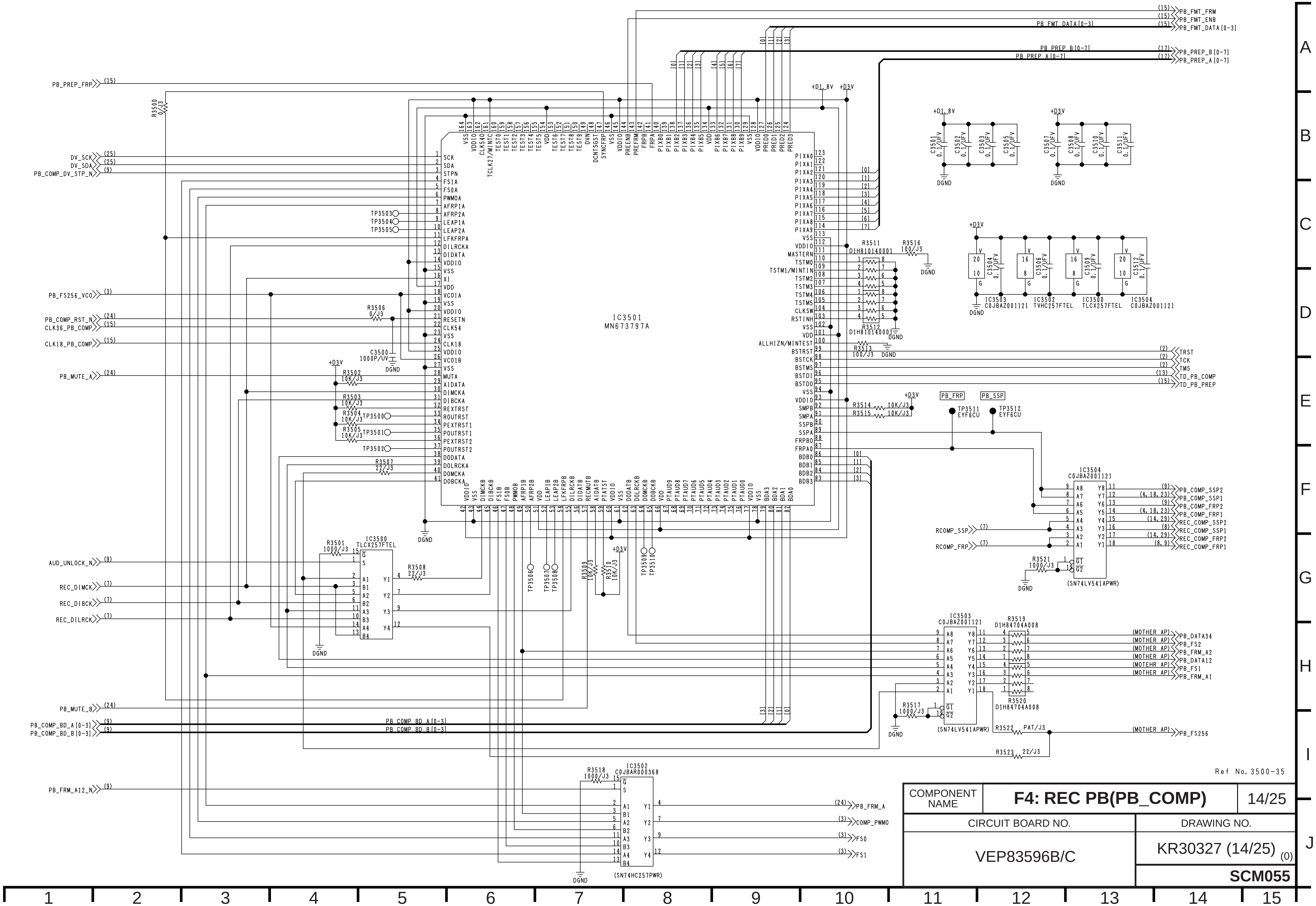
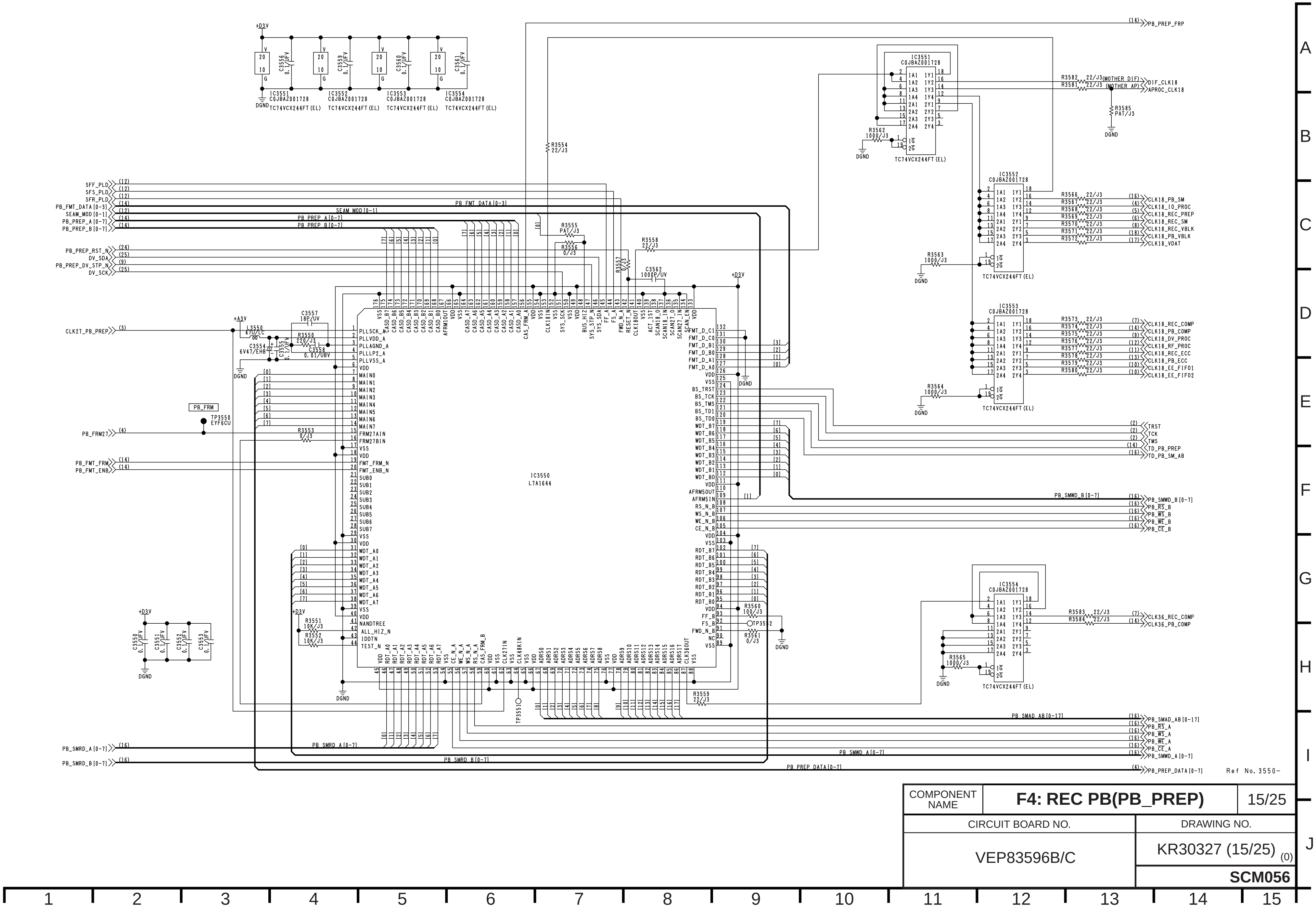
COMPONENT NAME	F4: REC PB(PB_ECC100)	13/25
CIRCUIT BOARD NO.	DRAWING NO.	
VEP83596B/C	KR30327 (13/25) (0)	
	SCM054	



IC3501
MN673797A
IC3500
TLCX257FTEL
IC3502
C0JBAR000368
(SN74HC257PWR)
IC3503
C0JBAZ001121
(SN74LV541APWR)
IC3504
C0JBAZ001121
(SN74LV541APWR)
PB_PREP_FRP
DV_SCK
DV_SDA
PB_COMP_DV_STP_N
PB_FS256_VCO
PB_COMP_RST_N
CLK36_PB_COMP
CLK18_PB_COMP
PB_MUTE_A
AUD_UNLOCK_N
REC_DIMCK
REC_DIBCK
REC_DILRCK
PB_MUTE_B
PB_COMP_BD_A[0-3]
PB_COMP_BD_B[0-3]
PB_FRM_A12_N
PB_FMT_FRM
PB_FMT_ENB
PB_FMT_DATA[0-3]
PB_PREP_B[0-7]
PB_PREP_A[0-7]
TRST
TCK
TMS
TD_PB_COMP
TD_PB_PREP
PB_FRP
PB_SSP
TP3511
TP3512
EYF6CU
PB_COMP_SSP2
PB_COMP_SSP1
PB_COMP_FRP2
PB_COMP_FRP1
REC_COMP_SSP2
REC_COMP_SSP1
REC_COMP_FRP2
REC_COMP_FRP1
RCOMP_SSP
RCOMP_FRP
PB_DATA34
PB_FS2
PB_FRM_A2
PB_DATA12
PB_FS1
PB_FRM_A1
PB_FS256
(MOTHER AP)
PB_FRM_A
COMP_PWM0
FS0
FS1
+D1.8V
+D3V
DGND
C3501 C3502 C3503 C3505 C3507 C3508 C3510 C3511
0.1/UFV
C3504 C3506 C3509 C3512
C3500
1000P/UV
R3500 0/J3
R3501 1000/J3
R3502 10K/J3
R3503 10K/J3
R3504 10K/J3
R3505 10K/J3
R3506 0/J3
R3507 22/J3
R3508 22/J3
R3509 10K/J3
R3510 10K/J3
R3511 D1H810140001
R3512 D1H810140001
R3513 100/J3
R3514 10K/J3
R3515 10K/J3
R3516 100/J3
R3517 1000/J3
R3518 1000/J3
R3519 D1H84704A008
R3520 D1H84704A008
R3521 1000/J3
R3522 PAT/J3
R3523 22/J3
TP3500 TP3501 TP3502 TP3503 TP3504 TP3505 TP3506 TP3507 TP3508 TP3509 TP3510

Ref No. 3500-35

COMPONENT NAME	F4: REC PB(PB_COMP)	14/25
CIRCUIT BOARD NO.	DRAWING NO.	
VEP83596B/C	KR30327 (14/25) (0)	
	SCM055	


+D3V
IC3551 C0JBAZ001728 TC74VCX244FT(EL)
IC3552 C0JBAZ001728 TC74VCX244FT(EL)
IC3553 C0JBAZ001728 TC74VCX244FT(EL)
IC3554 C0JBAZ001728 TC74VCX244FT(EL)
C3556 0.1/UFV
C3559 0.1/UFV
C3560 0.1/UFV
C3561 0.1/UFV
DGND
PB_PREP_FRP
DIF_CLK18
APROC_CLK18
R3582 22/J3
R3581 22/J3
R3585 PAT/J3
R3562 1000/J3
R3554 22/J3
SFF_PLD
SFS_PLD
SFR_PLD
PB_FMT_DATA[0-3]
SEAM_MOD[0-1]
PB_PREP_A[0-7]
PB_PREP_B[0-7]
PB_PREP_RST_N
DV_SDA
PB_PREP_DV_STP_N
DV_SCK
R3555 PAT/J3
R3556 0/J3
R3557 0/J3
R3558 22/J3
C3562 1000P/UV
CLK18_PB_SM
CLK18_IO_PROC
CLK18_REC_PREP
CLK18_REC_SM
CLK18_REC_VBLK
CLK18_PB_VBLK
CLK18_VDAT
R3563 1000/J3
CLK18_REC_COMP
CLK18_PB_COMP
CLK18_DV_PROC
CLK18_RF_PROC
CLK18_REC_ECC
CLK18_PB_ECC
CLK18_EE_FIFO1
CLK18_EE_FIFO2
R3564 1000/J3
+A3V
CLK27_PB_PREP
L3550 47U/LC
C3557 18P/UV
R3550 220/J3
C3554 6V47/EHB
C3555 0.1/UFV
C3558 0.01/UBV
PB_FRM
TP3550 EYF6CU
PB_FRM27
R3553 0/J3
PB_FMT_FRM
PB_FMT_ENB
IC3550 L7A1644
TRST
TCK
TMS
TD_PB_PREP
TD_PB_SM_AB
PB_SMWD_B[0-7]
PB_RS_B
PB_WS_B
PB_WE_B
PB_CE_B
+D3V
C3550 0.1/UFV
C3551 0.1/UFV
C3552 0.1/UFV
C3553 0.1/UFV
R3551 10K/J3
R3552 10K/J3
R3560 100/J3
TP3552
R3561 0/J3
R3559 22/J3
TP3551
CLK36_REC_COMP
CLK36_PB_COMP
R3583 22/J3
R3584 22/J3
R3565 1000/J3
PB_SMAD_AB[0-17]
PB_RS_A
PB_WS_A
PB_WE_A
PB_CE_A
PB_SMWD_A[0-7]
PB_SMRD_A[0-7]
PB_SMRD_B[0-7]
PB_PREP_DATA[0-7]
Ref No. 3550-
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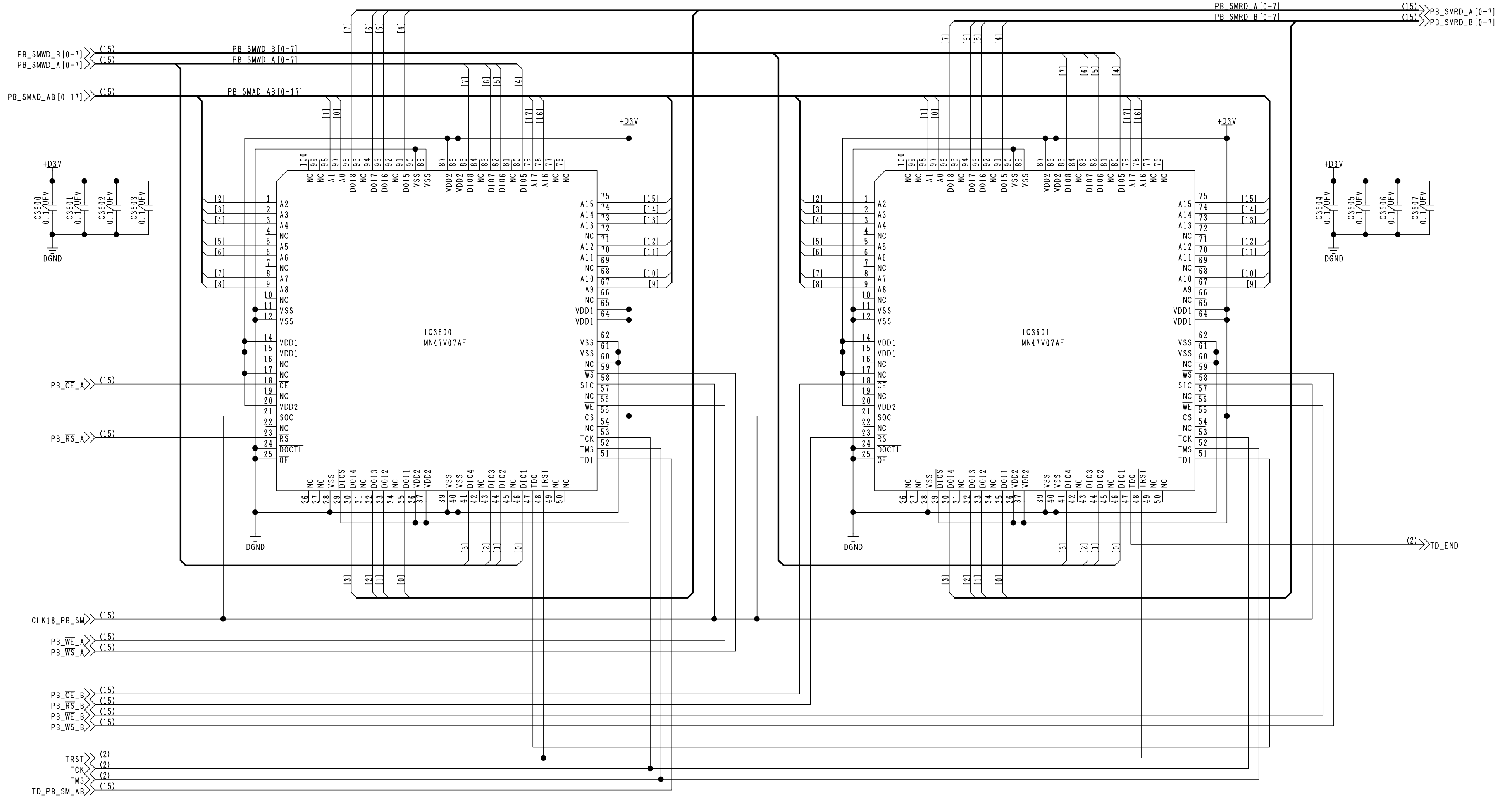
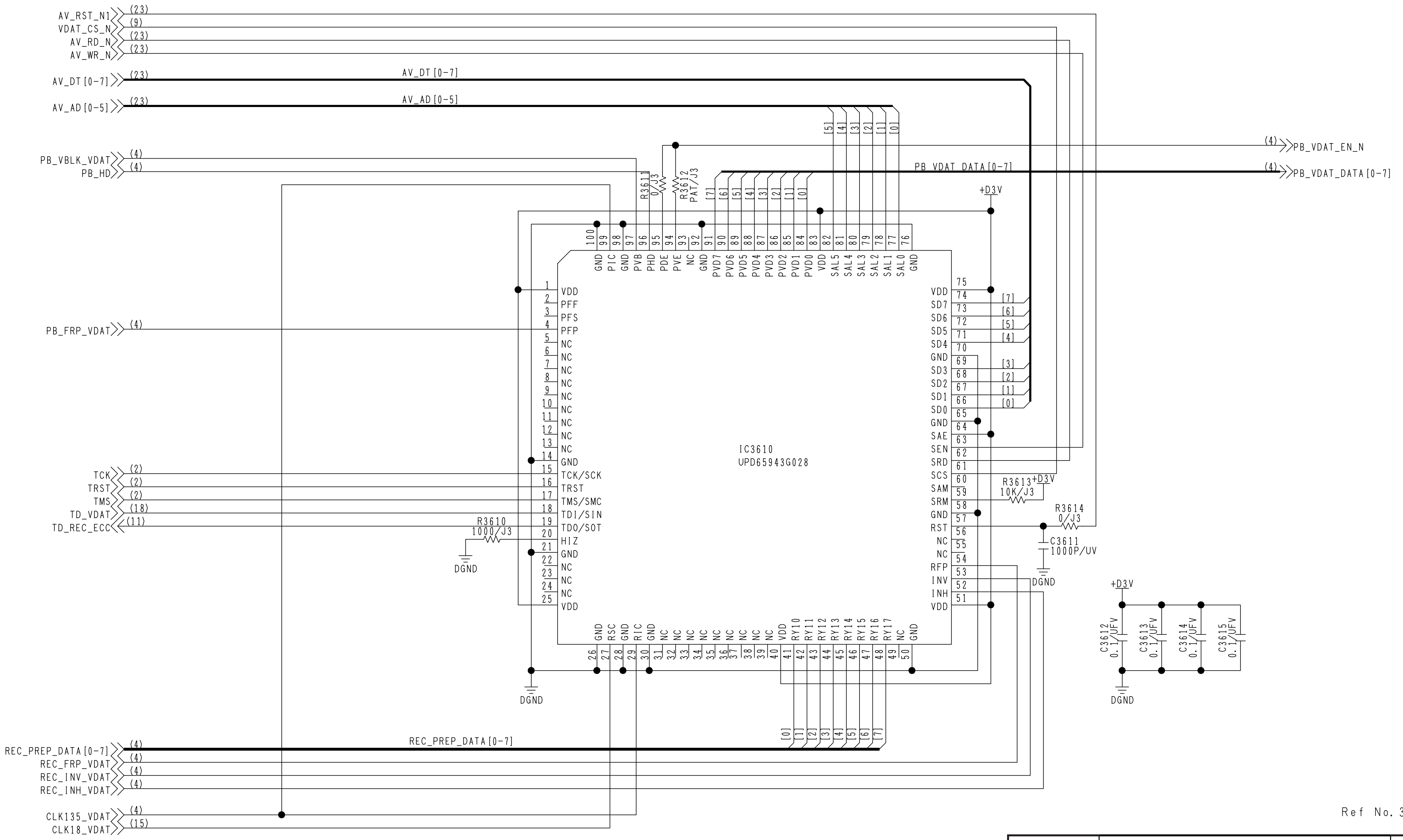
COMPONENT NAME	F4: REC PB(PB_PREP)	15/25
CIRCUIT BOARD NO.	DRAWING NO.	
VEP83596B/C	KR30327 (15/25) (0)	
	SCM056	

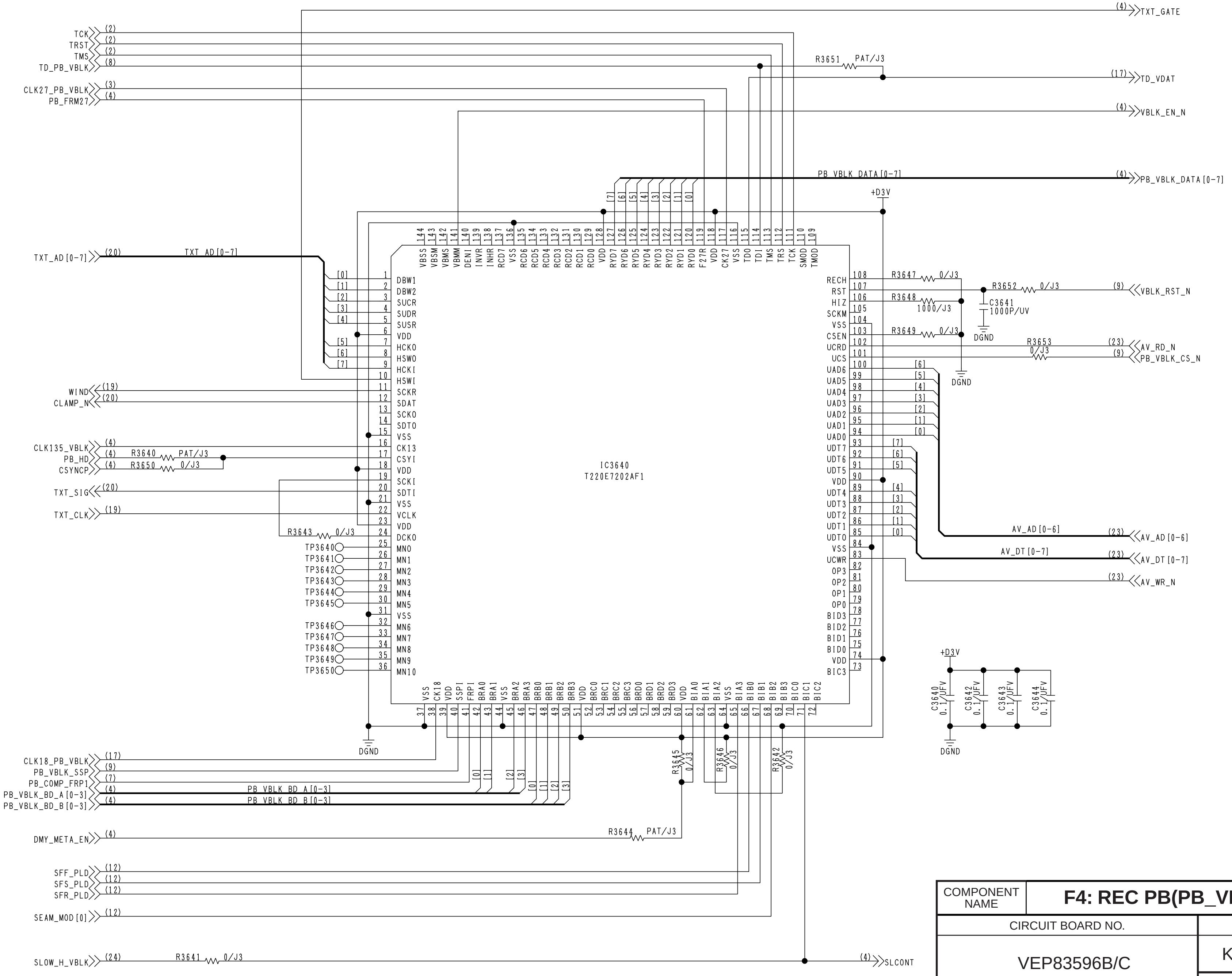

PB_SMWD_B[0-7]
PB_SMWD_A[0-7]
PB_SMAD_AB[0-17]
PB_SMRD_A[0-7]
PB_SMRD_B[0-7]
IC3600
MN47V07AF
IC3601
MN47V07AF
+D3V
DGND
C3600 0.1/UFV
C3601 0.1/UFV
C3602 0.1/UFV
C3603 0.1/UFV
C3604 0.1/UFV
C3605 0.1/UFV
C3606 0.1/UFV
C3607 0.1/UFV
PB_CE_A
PB_RS_A
CLK18_PB_SM
PB_WE_A
PB_WS_A
PB_CE_B
PB_RS_B
PB_WE_B
PB_WS_B
TRST
TCK
TMS
TD_PB_SM_AB
TD_END
(15)
(2)

Ref No. 3600-3

COMPONENT NAME	**F4: REC PB(PB_SHUF_MEM)**	16/25
CIRCUIT BOARD NO.	DRAWING NO.	
VEP83596B/C	KR30327 (16/25) (0)	
	SCM057	


AV_RST_N1 (23)
VDAT_CS_N (9)
AV_RD_N (23)
AV_WR_N (23)
AV_DT[0-7] (23)
AV_DT[0-7]
AV_AD[0-5] (23)
AV_AD[0-5]
PB_VBLK_VDAT (4)
PB_HD (4)
PB_FRP_VDAT (4)
TCK (2)
TRST (2)
TMS (2)
TD_VDAT (18)
TD_REC_ECC (11)
REC_PREP_DATA[0-7] (4)
REC_PREP_DATA[0-7]
REC_FRP_VDAT (4)
REC_INV_VDAT (4)
REC_INH_VDAT (4)
CLK135_VDAT (4)
CLK18_VDAT (15)
(4) PB_VDAT_EN_N
(4) PB_VDAT_DATA[0-7]
PB_VDAT_DATA[0-7]
IC3610
UPD65943G028
R3610 1000/J3
R3611 0/J3
R3612 PAT/J3
R3613 10K/J3
R3614 0/J3
C3611 1000P/UV
C3612 0.1/UFV
C3613 0.1/UFV
C3614 0.1/UFV
C3615 0.1/UFV
+D3V
DGND
1 VDD
2 PFF
3 PFS
4 PFP
5 NC
6 NC
7 NC
8 NC
9 NC
10 NC
11 NC
12 NC
13 NC
14 GND
15 TCK/SCK
16 TRST
17 TMS/SMC
18 TDI/SIN
19 TDO/SOT
20 HIZ
21 GND
22 NC
23 NC
24 NC
25 VDD
26 GND
27 RSC
28 GND
29 RIC
30 GND
31 NC
32 NC
33 NC
34 NC
35 NC
36 NC
37 NC
38 NC
39 NC
40 VDD
41 RY10
42 RY11
43 RY12
44 RY13
45 RY14
46 RY15
47 RY16
48 RY17
49 NC
50 GND
51 VDD
52 INH
53 INV
54 RFP
55 NC
56 NC
57 RST
58 GND
59 SRM
60 SAM
61 SCS
62 SRD
63 SEN
64 SAE
65 GND
66 SD0
67 SD1
68 SD2
69 SD3
70 GND
71 SD4
72 SD5
73 SD6
74 SD7
75 VDD
76 GND
77 SAL0
78 SAL1
79 SAL2
80 SAL3
81 SAL4
82 SAL5
83 VDD
84 PVD0
85 PVD1
86 PVD2
87 PVD3
88 PVD4
89 PVD5
90 PVD6
91 PVD7
92 GND
93 NC
94 PVE
95 PDE
96 PHD
97 PVB
98 GND
99 PIC
100 GND
Ref No. 3610-

COMPONENT NAME	F4: REC PB(VIDEO_DATA)	17/25
CIRCUIT BOARD NO.	DRAWING NO.	
VEP83596B/C	KR30327 (17/25) (0) SCM058	


TCK
TRST
TMS
TD_PB_VBLK
CLK27_PB_VBLK
PB_FRM27
TXT_GATE
R3651 PAT/J3
TD_VDAT
VBLK_EN_N
PB VBLK DATA [0-7]
PB_VBLK_DATA [0-7]
+D3V
TXT_AD [0-7]
IC3640
T220E7202AF1
R3647 0/J3
R3648 1000/J3
R3649 0/J3
R3652 0/J3
C3641 1000P/UV
DGND
VBLK_RST_N
R3653 0/J3
AV_RD_N
PB_VBLK_CS_N
WIND
CLAMP_N
CLK135_VBLK
PB_HD
CSYNCP
R3640 PAT/J3
R3650 0/J3
TXT_SIG
TXT_CLK
R3643 0/J3
TP3640
TP3641
TP3642
TP3643
TP3644
TP3645
TP3646
TP3647
TP3648
TP3649
TP3650
AV_AD [0-6]
AV_DT [0-7]
AV_WR_N
C3640 0.1/UFV
C3642 0.1/UFV
C3643 0.1/UFV
C3644 0.1/UFV
CLK18_PB_VBLK
PB_VBLK_SSP
PB_COMP_FRP1
PB_VBLK_BD_A [0-3]
PB_VBLK_BD_B [0-3]
PB VBLK BD A [0-3]
PB VBLK BD B [0-3]
R3645 0/J3
R3646 0/J3
R3642 0/J3
DMY_META_EN
R3644 PAT/J3
SFF_PLD
SFS_PLD
SFR_PLD
SEAM_MOD [0]
SLOW_H_VBLK
R3641 0/J3
SLCONT
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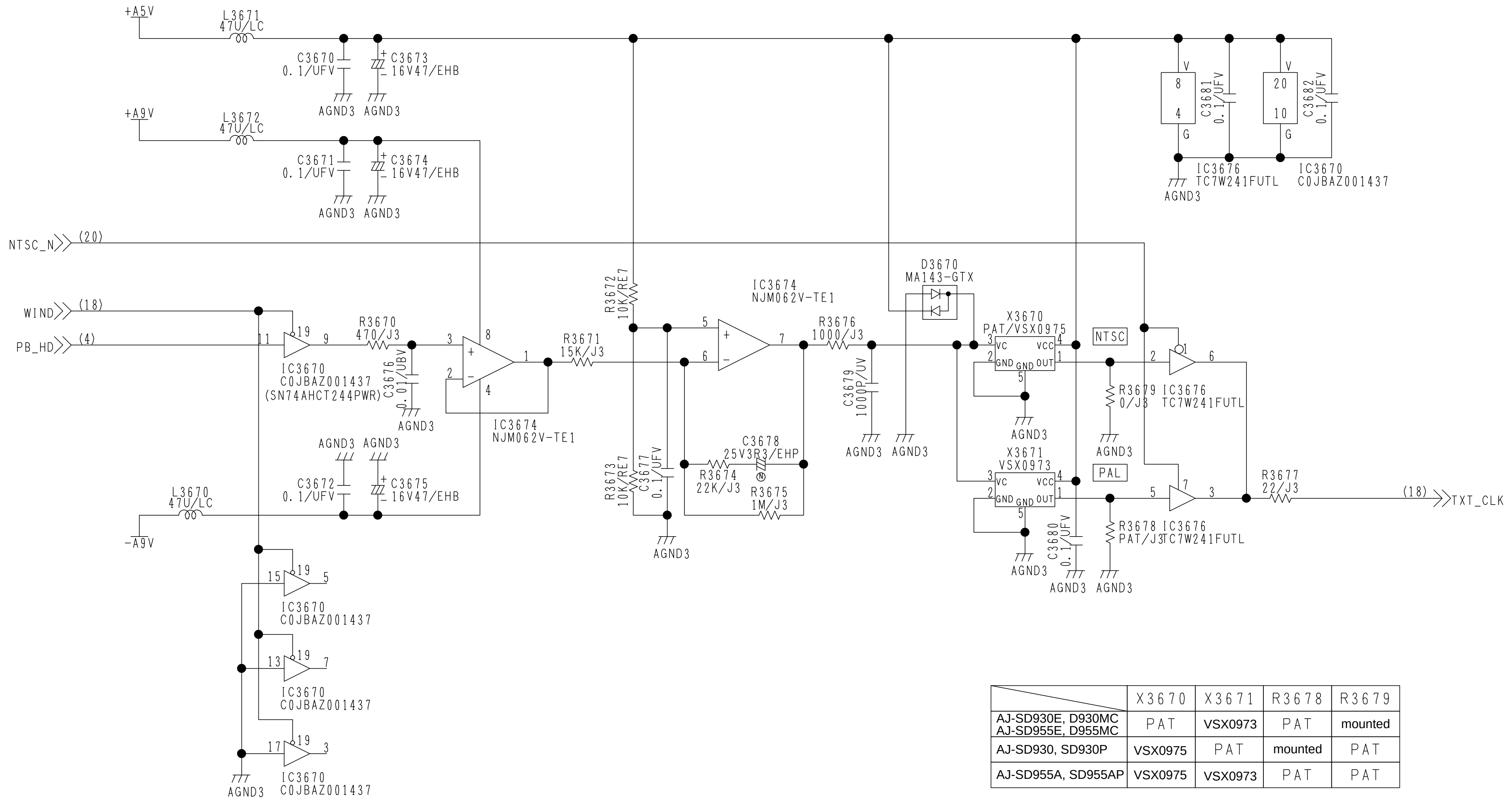
Ref No. 3640-36

COMPONENT NAME	F4: REC PB(PB_VBLK)	18/25
CIRCUIT BOARD NO.	DRAWING NO.	
VEP83596B/C	KR30327 (18/25) (0)	
	SCM059	


+A5V
L3671
47U/LC
C3670
0.1/UFV
C3673
16V47/EHB
AGND3
+A9V
L3672
47U/LC
C3671
0.1/UFV
C3674
16V47/EHB
NTSC_N
(20)
WIND
(18)
PB_HD
(4)
IC3670
C0JBAZ001437
(SN74AHCT244PWR)
R3670
470/J3
C3676
0.01/UBV
IC3674
NJM062V-TE1
R3671
15K/J3
R3672
10K/RE7
R3673
10K/RE7
C3677
0.1/UFV
R3674
22K/J3
C3678
25V3R3/EHP
R3675
1M/J3
R3676
1000/J3
C3679
1000P/UV
D3670
MA143-GTX
X3670
PAT/VSX0975
X3671
VSX0973
VC
VCC
GND
OUT
NTSC
PAL
R3679
0/J3
R3678
PAT/J3
IC3676
TC7W241FUTL
C3680
0.1/UFV
C3681
0.1/UFV
C3682
0.1/UFV
R3677
22/J3
(18)
TXT_CLK
L3670
47U/LC
C3672
0.1/UFV
C3675
16V47/EHB
-A9V
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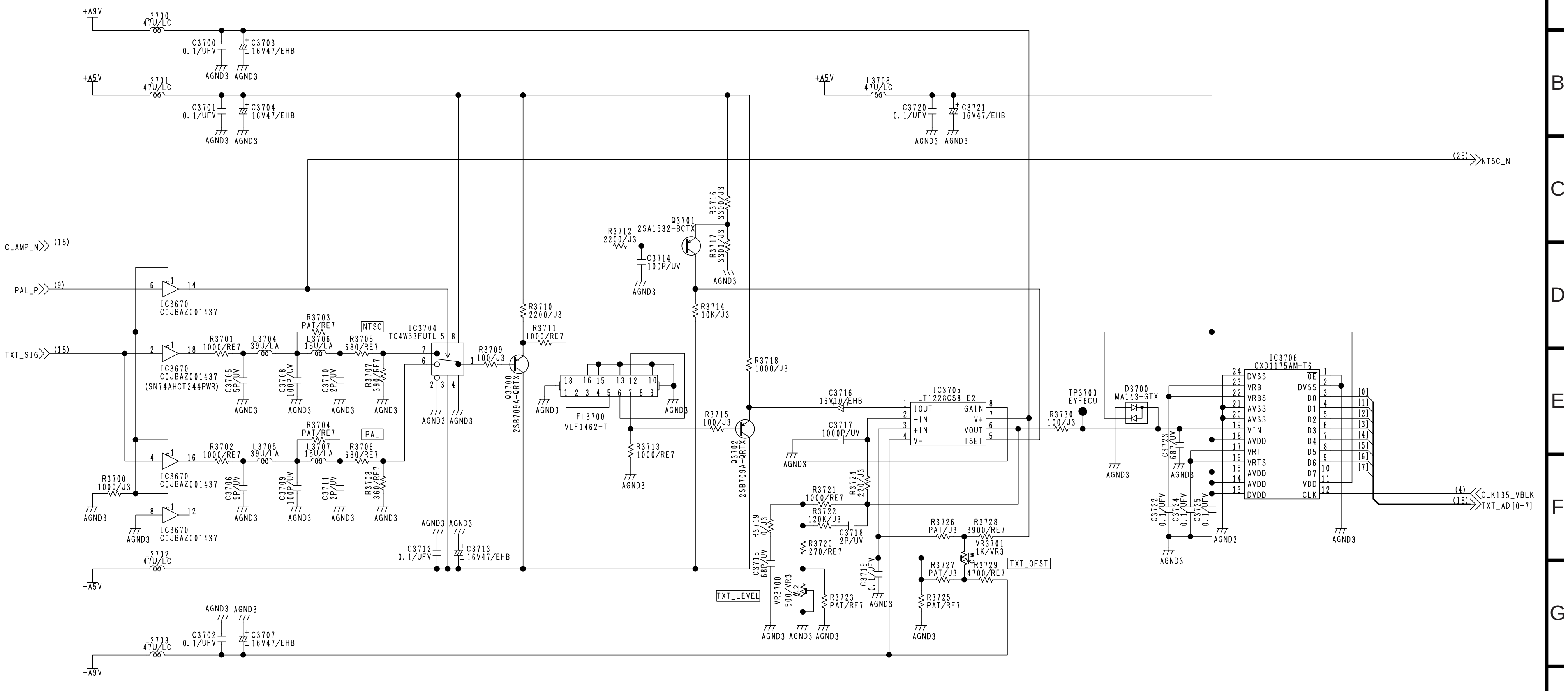
	X3670	X3671	R3678	R3679
AJ-SD930E, D930MC AJ-SD955E, D955MC	PAT	VSX0973	PAT	mounted
AJ-SD930, SD930P	VSX0975	PAT	mounted	PAT
AJ-SD955A, SD955AP	VSX0975	VSX0973	PAT	PAT

Ref No. 3670-3

COMPONENT NAME	F4: REC PB(PB_PLL)	19/25
CIRCUIT BOARD NO.	DRAWING NO.	
VEP83596B/C	KR30327 (19/25) (0)	
	SCM060	


+A9V
L3700 47U/LC
C3700 0.1/UFV
C3703 16V47/EHB
+A5V
L3701 47U/LC
C3701 0.1/UFV
C3704 16V47/EHB
AGND3
+A5V
L3708 47U/LC
C3720 0.1/UFV
C3721 16V47/EHB
(25) NTSC_N
CLAMP_N (18)
R3712 2200/J3
C3714 100P/UV
Q3701 2SA1532-BCTX
R3716 3300/J3
R3717 3300/J3
PAL_P (9)
IC3670 C0JBAZ001437
TXT_SIG (18)
IC3670 C0JBAZ001437 (SN74AHCT244PWR)
R3701 1000/RE7
L3704 39U/LA
R3703 PAT/RE7
L3706 15U/LA
R3705 680/RE7
NTSC
C3705 5P/UV
C3708 100P/UV
C3710 2P/UV
R3707 390/RE7
IC3704 TC4W53FUTL
R3709 100/J3
Q3700 2SB709A-QRTX
R3710 2200/J3
R3711 1000/RE7
FL3700 VLF1462-T
R3713 1000/RE7
R3714 10K/J3
R3718 1000/J3
R3715 100/J3
Q3702 2SB709A-QRTX
R3702 1000/RE7
L3705 39U/LA
R3704 PAT/RE7
L3707 15U/LA
R3706 680/RE7
PAL
C3706 5P/UV
C3709 100P/UV
C3711 2P/UV
R3708 360/RE7
R3700 1000/J3
C3712 0.1/UFV
C3713 16V47/EHB
L3702 47U/LC
-A5V
L3703 47U/LC
C3702 0.1/UFV
C3707 16V47/EHB
-A9V
C3716 16V10/EHB
IC3705 LT1228CS8-E2
IOUT
-IN
+IN
V-
GAIN
V+
VOUT
ISET
C3717 1000P/UV
R3724 220/J3
R3721 1000/RE7
R3722 120K/J3
C3718 2P/UV
R3719 0/J3
C3715 68P/UV
R3720 270/RE7
VR3700 500/VR3
R3723 PAT/RE7
TXT_LEVEL
C3719 0.1/UFV
R3726 PAT/J3
R3728 3900/RE7
VR3701 1K/VR3
R3727 PAT/J3
R3729 4700/RE7
TXT_OFST
R3725 PAT/RE7
TP3700 EYF6CU
R3730 100/J3
D3700 MA143-GTX
C3723 68P/UV
IC3706 CXD1175AM-T6
DVSS
VRB
VRBS
AVSS
AVSS
VIN
AVDD
VRT
VRTS
AVDD
AVDD
DVDD
OE
DVSS
D0
D1
D2
D3
D4
D5
D6
D7
VDD
CLK
C3722 0.1/UFV
C3724 0.1/UFV
C3725 0.1/UFV
(4) CLK135_VBLK
(18) TXT_AD[0-7]
A
B
C
D
E
F
G
H
I
J
1
2
3
4
5
6
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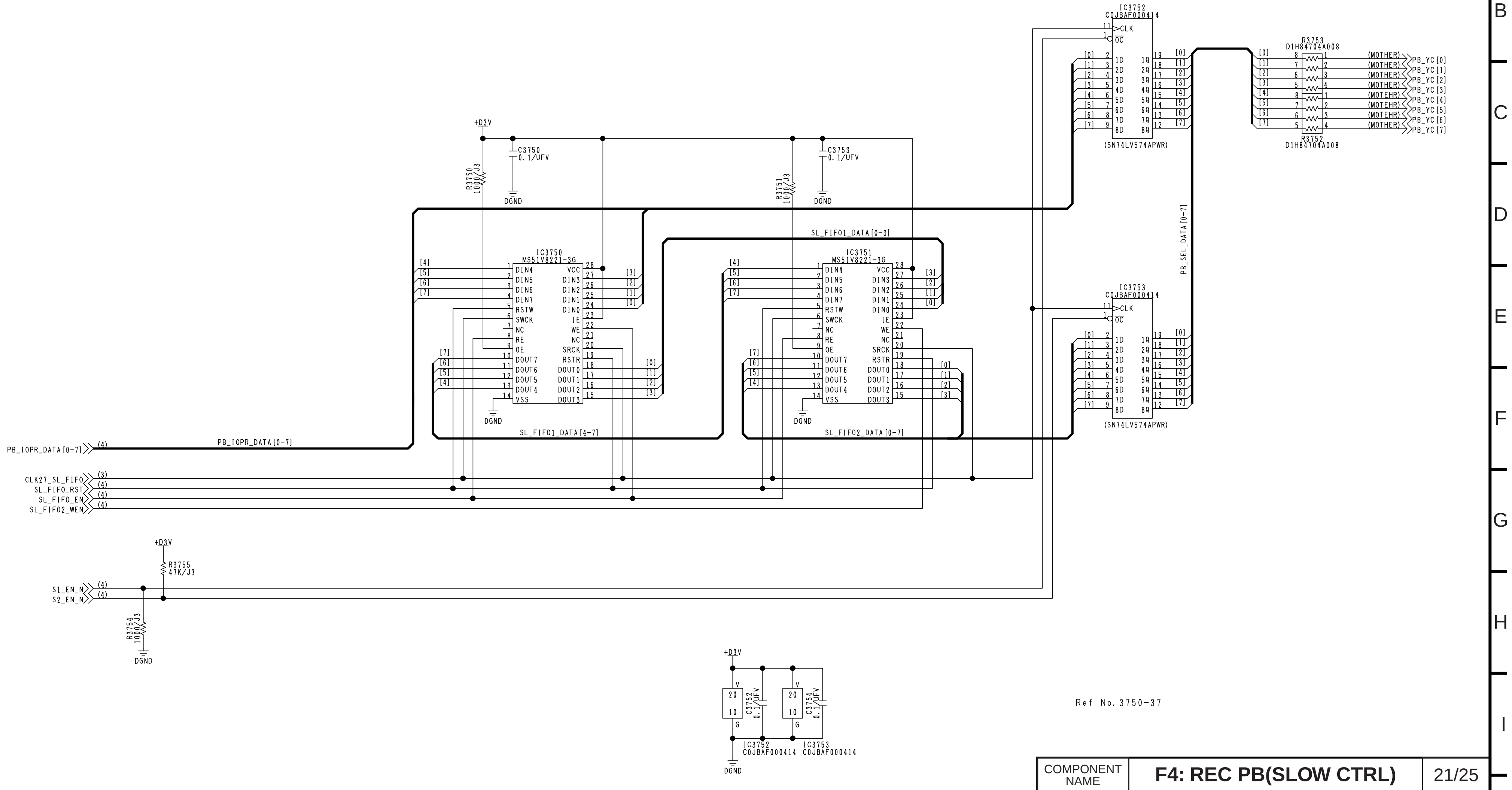
Ref No. 3700-

COMPONENT NAME	F4: REC PB(TEL_TXT)	20/25
CIRCUIT BOARD NO.	DRAWING NO.	
VEP83596B/C	KR30327 (20/25) (0)	
	SCM061	


IC3752
C0JBAF000414
CLK
OC
1D
2D
3D
4D
5D
6D
7D
8D
1Q
2Q
3Q
4Q
5Q
6Q
7Q
8Q
(SN74LV574APWR)
R3753
D1H84704A008
R3752
D1H84704A008
(MOTHER)
(MOTEHR)
PB_YC[0]
PB_YC[1]
PB_YC[2]
PB_YC[3]
PB_YC[4]
PB_YC[5]
PB_YC[6]
PB_YC[7]
+D3V
C3750
0.1/UFV
R3750
100/J3
DGND
C3753
0.1/UFV
R3751
100/J3
PB_SEL_DATA[0-7]
SL_FIFO1_DATA[0-3]
IC3750
MS51V8221-3G
IC3751
MS51V8221-3G
DIN4
DIN5
DIN6
DIN7
RSTW
SWCK
NC
RE
OE
DOUT7
DOUT6
DOUT5
DOUT4
VSS
VCC
DIN3
DIN2
DIN1
DIN0
IE
WE
NC
SRCK
RSTR
DOUT0
DOUT1
DOUT2
DOUT3
IC3753
C0JBAF000414
(SN74LV574APWR)
SL_FIFO1_DATA[4-7]
SL_FIFO2_DATA[0-7]
PB_IOPR_DATA[0-7]
(4)
CLK27_SL_FIFO
SL_FIFO_RST
SL_FIFO_EN
SL_FIFO2_WEN
(3)
+D3V
R3755
47K/J3
S1_EN_N
S2_EN_N
R3754
100/J3
DGND
+D3V
V
20
10
G
C3752
0.1/UFV
C3754
0.1/UFV
IC3752
C0JBAF000414
IC3753
C0JBAF000414
DGND
A
B
C
D
E
F
G
H
I
J
1
2
3
4
5
6
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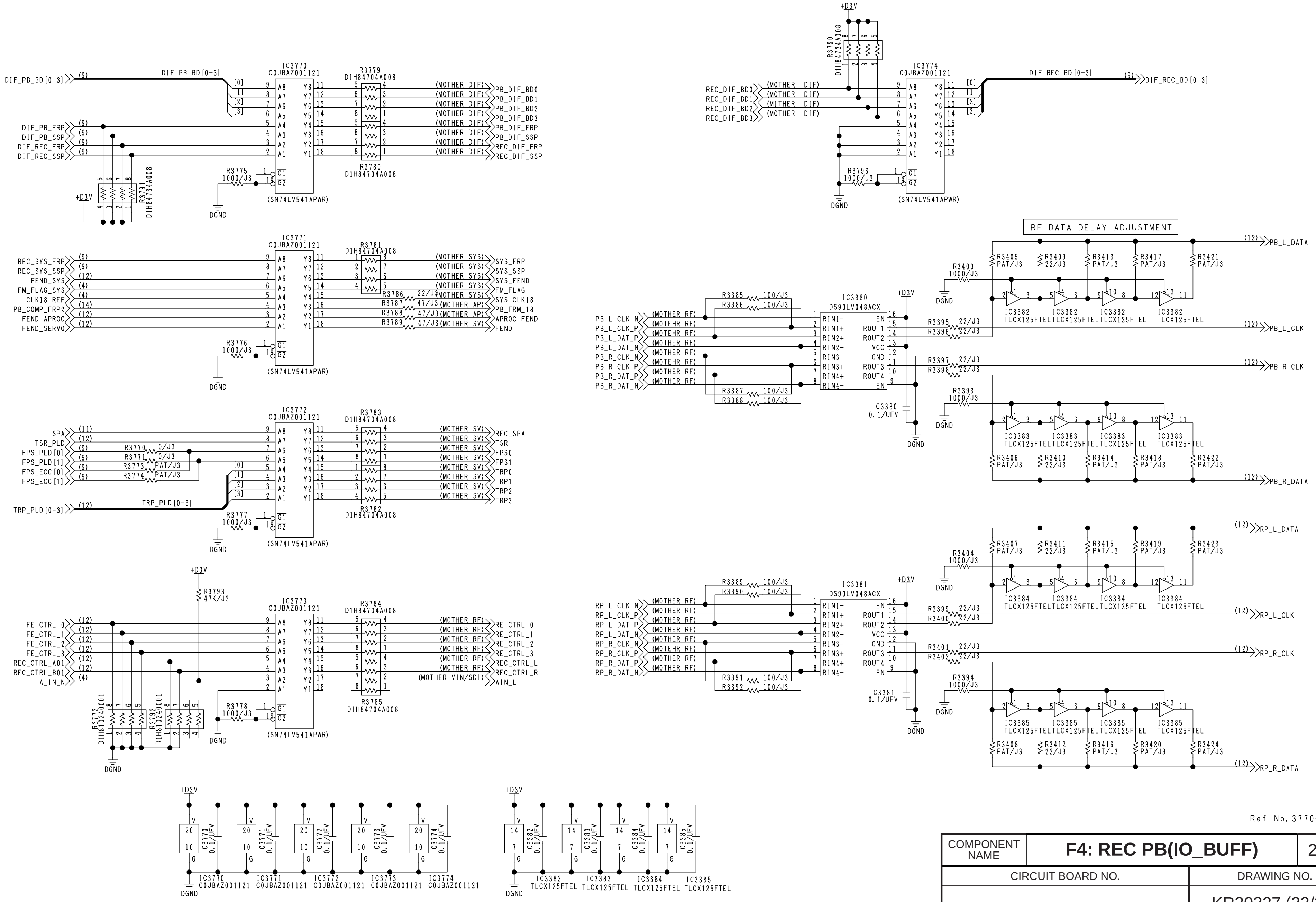
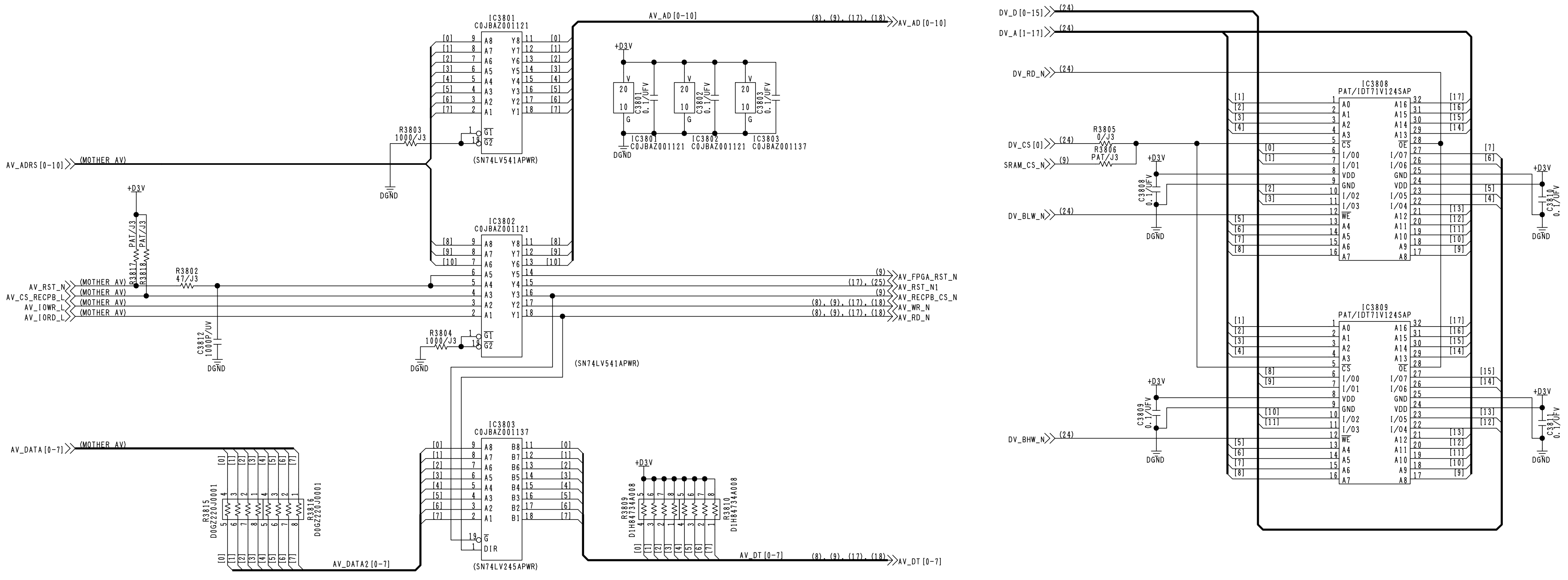
Ref No. 3750-37

COMPONENT NAME	**F4: REC PB(SLOW CTRL)**	21/25
CIRCUIT BOARD NO.	DRAWING NO.	
VEP83596B/C	KR30327 (21/25) (0)	
	SCM062	


IC3770 C0JBAZ001121 (SN74LV541APWR)
IC3771 C0JBAZ001121 (SN74LV541APWR)
IC3772 C0JBAZ001121 (SN74LV541APWR)
IC3773 C0JBAZ001121 (SN74LV541APWR)
IC3774 C0JBAZ001121 (SN74LV541APWR)
IC3380 DS90LV048ACX
IC3381 DS90LV048ACX
IC3382 TLCX125FTEL
IC3383 TLCX125FTEL
IC3384 TLCX125FTEL
IC3385 TLCX125FTEL
RF DATA DELAY ADJUSTMENT
DIF_PB_BD[0-3]
DIF_PB_FRP
DIF_PB_SSP
DIF_REC_FRP
DIF_REC_SSP
PB_DIF_BD0
PB_DIF_BD1
PB_DIF_BD2
PB_DIF_BD3
PB_DIF_FRP
PB_DIF_SSP
REC_DIF_FRP
REC_DIF_SSP
REC_DIF_BD0
REC_DIF_BD1
REC_DIF_BD2
REC_DIF_BD3
DIF_REC_BD[0-3]
REC_SYS_FRP
REC_SYS_SSP
FEND_SYS
FM_FLAG_SYS
CLK18_REF
PB_COMP_FRP2
FEND_APROC
FEND_SERVO
SYS_FRP
SYS_SSP
SYS_FEND
FM_FLAG
SYS_CLK18
PB_FRM_18
APROC_FEND
FEND
SPA
TSR_PLD
FPS_PLD[0]
FPS_PLD[1]
FPS_ECC[0]
FPS_ECC[1]
TRP_PLD[0-3]
REC_SPA
TSR
FPS0
FPS1
TRP0
TRP1
TRP2
TRP3
FE_CTRL_0
FE_CTRL_1
FE_CTRL_2
FE_CTRL_3
REC_CTRL_A01
REC_CTRL_B01
A_IN_N
RE_CTRL_0
RE_CTRL_1
RE_CTRL_2
RE_CTRL_3
REC_CTRL_L
REC_CTRL_R
AIN_L
PB_L_CLK_N
PB_L_CLK_P
PB_L_DAT_P
PB_L_DAT_N
PB_R_CLK_N
PB_R_CLK_P
PB_R_DAT_P
PB_R_DAT_N
PB_L_DATA
PB_L_CLK
PB_R_CLK
PB_R_DATA
RP_L_CLK_N
RP_L_CLK_P
RP_L_DAT_P
RP_L_DAT_N
RP_R_CLK_N
RP_R_CLK_P
RP_R_DAT_P
RP_R_DAT_N
RP_L_DATA
RP_L_CLK
RP_R_CLK
RP_R_DATA
+D3V
DGND

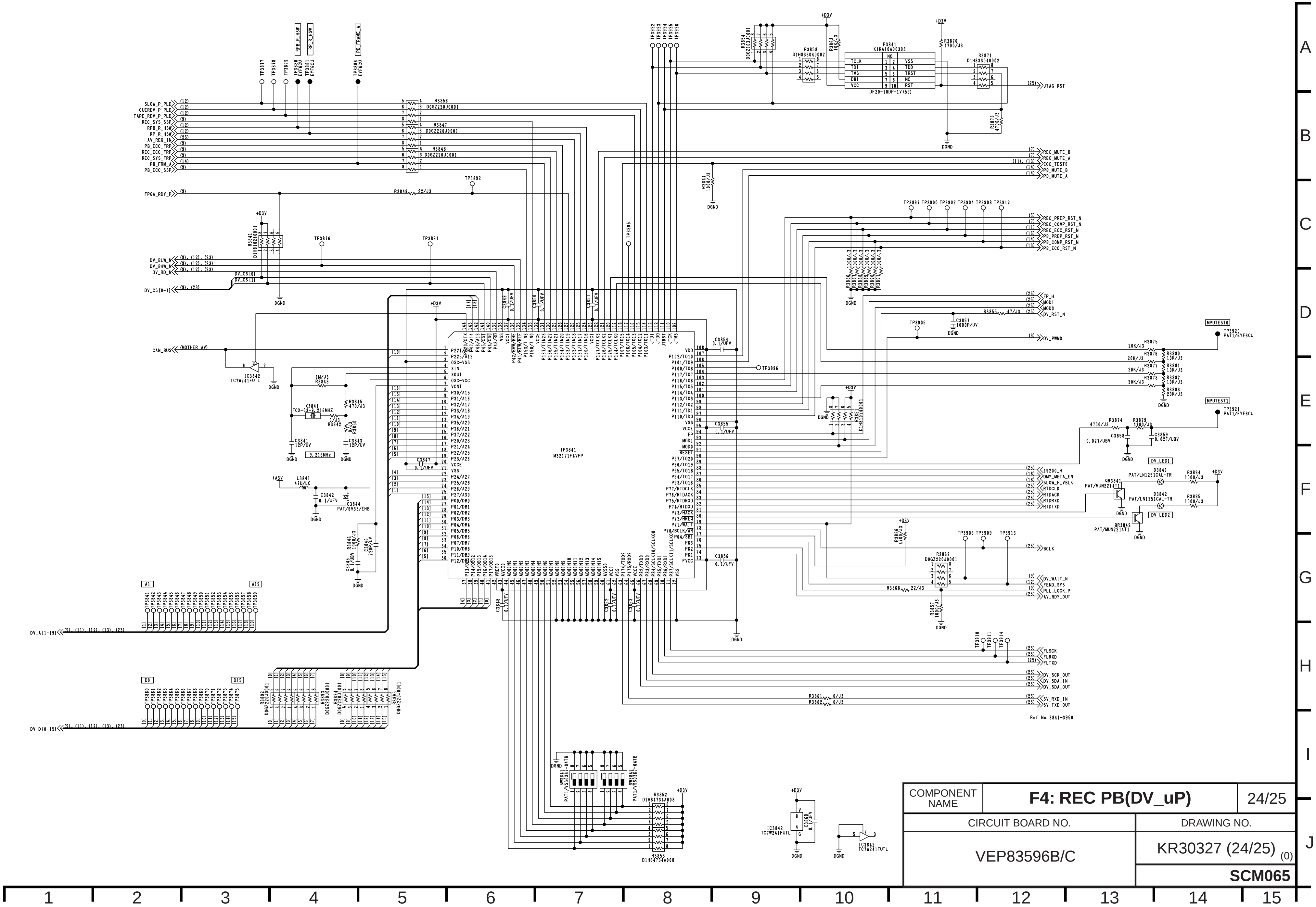
Ref No. 3770-3830

COMPONENT NAME	**F4: REC PB(IO_BUFF)**	22/25
CIRCUIT BOARD NO.	DRAWING NO.	
VEP83596B/C	KR30327 (22/25) (0)	
	SCM063	


IC3801
C0JBAZ001121
(SN74LV541APWR)
IC3802
C0JBAZ001121
(SN74LV541APWR)
IC3803
C0JBAZ001137
(SN74LV245APWR)
IC3808
PAT/IDT71V124SAP
IC3809
PAT/IDT71V124SAP
AV_AD[0-10]
(8),(9),(17),(18)
AV_ADRS[0-10]
(MOTHER AV)
AV_RST_N
AV_CS_RECPB_L
AV_IOWR_L
AV_IORD_L
AV_FPGA_RST_N
AV_RST_N1
AV_RECPB_CS_N
AV_WR_N
AV_RD_N
AV_DATA[0-7]
AV_DATA2[0-7]
AV_DT[0-7]
R3802
47/J3
R3803
1000/J3
R3804
1000/J3
R3817
PAT/J3
R3818
PAT/J3
C3812
1000P/UV
R3815
D0GZ220J0001
R3816
D0GZ220J0001
R3809
D1H84734A008
R3810
D1H84734A008
C3801
C3802
C3803
0.1/UFV
+D3V
DGND
DV_D[0-15]
DV_A[1-17]
DV_RD_N
DV_CS[0]
SRAM_CS_N
DV_BLW_N
DV_BHW_N
(24)
(9)
R3805
0/J3
R3806
PAT/J3
C3808
C3809
C3810
C3811
0.1/UFV

Ref No. 3801-3840

COMPONENT NAME	F4: REC PB(MPU_BUS_I/F)	23/25
CIRCUIT BOARD NO.	DRAWING NO.	
VEP83596B/C	KR30327 (23/25) (0)	
	SCM064	


IP3841
M32171F4VFP
P3841
K1KA10A00303
DF20-10DP-1V(59)
IC3842
TC7W241FUTL
X3841
FCX-03-9.216MHZ
9.216MHz
SLOW_P_PLD
CUEREV_P_PLD
TAPE_REV_P_PLD
REC_SYS_SSP
RPB_R_HSW
RP_R_HSW
AV_REQ_IN
PB_ECC_FRP
REC_ECC_FRP
REC_SYS_FRP
PB_FRM_A
PB_ECC_SSP
FPGA_RDY_P
DV_BLW_N
DV_BHW_N
DV_RD_N
DV_CS[0-1]
CAN_BUS
DV_A[1-19]
DV_D[0-15]
JTAG_RST
REC_MUTE_B
REC_MUTE_A
ECC_TEST0
PB_MUTE_B
PB_MUTE_A
REC_PREP_RST_N
REC_COMP_RST_N
REC_ECC_RST_N
PB_PREP_RST_N
PB_COMP_RST_N
PB_ECC_RST_N
FP_H
MOD1
MOD0
DV_RST_N
DV_PWM0
MPUTEST0
MPUTEST1
DV_LED1
DV_LED2
19200_H
DMY_META_EN
SLOW_H_VBLK
RTDCLK
RTDACK
RTDRXD
RTDTXD
BCLK
DV_WAIT_N
FEND_SYS
PLL_LOCK_P
AV_RDY_OUT
FLSCK
FLRXD
FLTXD
DV_SCK_OUT
DV_SDA_IN
DV_SDA_OUT
SV_RXD_IN
SV_TXD_OUT
Ref No. 3841-3950
+D3V
+A3V
DGND
A
B
C
D
E
F
G
H
I
J
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3
4
5
6
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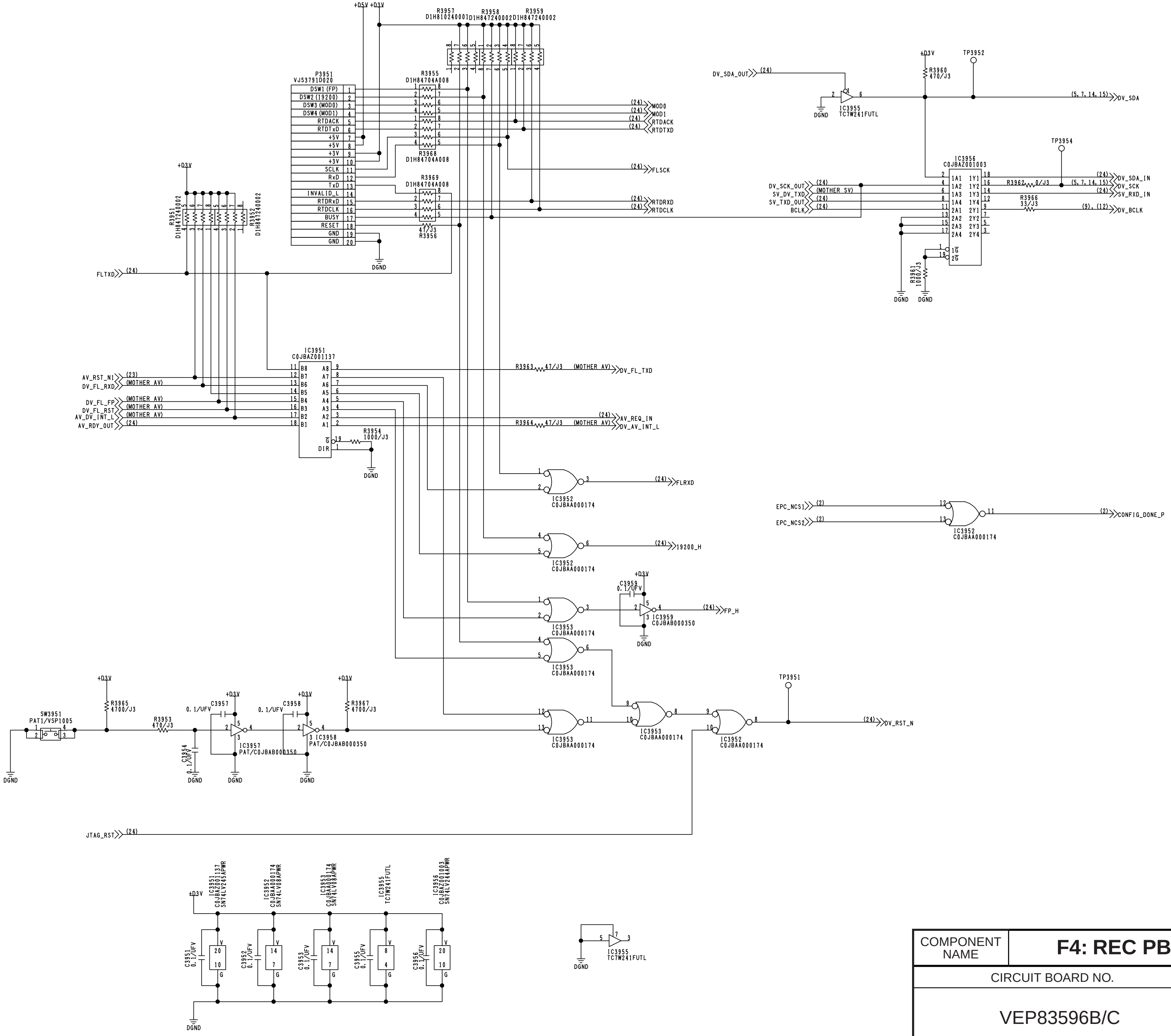
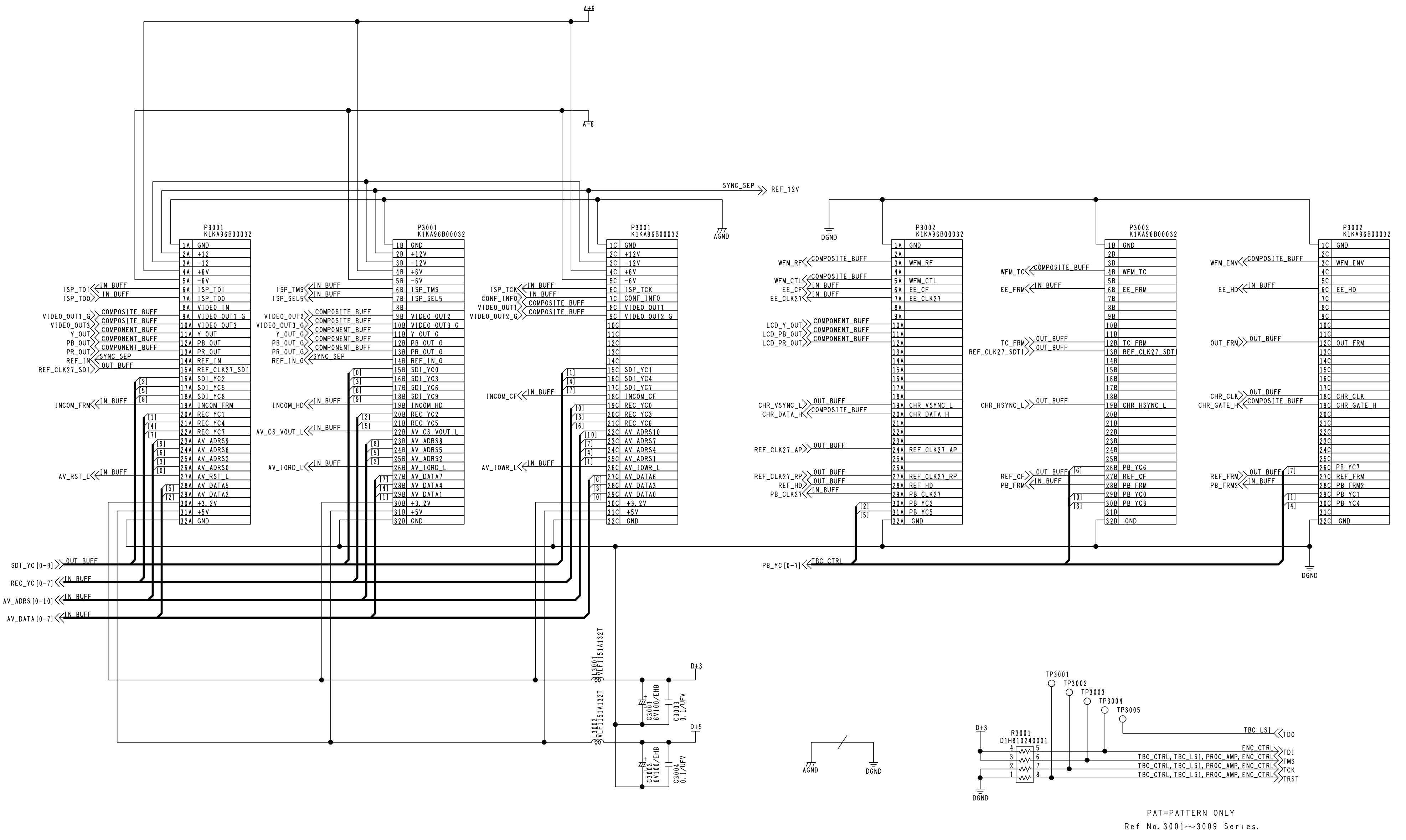
COMPONENT NAME	F4: REC PB(DV_uP)	24/25
CIRCUIT BOARD NO.	DRAWING NO.	
VEP83596B/C	KR30327 (24/25) (0)	
	SCM065	


P3951
VJS3791D020
DSW1(FP)
DSW2(19200)
DSW3(MOD0)
DSW4(MOD1)
RTDACK
RTDTxD
+5V
+3V
SCLK
RxD
TxD
INVALID_L
RTDRxD
RTDCLK
BUSY
RESET
GND
+D5V
+D3V
R3957
D1H810240001
R3958
D1H847240002
R3959
D1H847240002
R3955
D1H84704A008
R3968
D1H84704A008
R3969
D1H84704A008
47/J3
R3956
MOD0
MOD1
RTDACK
RTDTXD
FLSCK
RTDRXD
RTDCLK
DGND
R3951
D1H847240002
R3952
D1H847240002
FLTXD
IC3951
C0JBAZ001137
AV_RST_N1
DV_FL_RXD
DV_FL_FP
DV_FL_RST
AV_DV_INT_L
AV_RDY_OUT
(MOTHER AV)
R3963
R3964
R3954
1000/J3
DV_FL_TXD
AV_REQ_IN
DV_AV_INT_L
DIR
IC3952
C0JBAA000174
FLRXD
19200_H
IC3953
C0JBAA000174
C3959
0.1/UFV
IC3959
C0JBAB000350
FP_H
SW3951
PAT1/VSP1005
R3965
4700/J3
R3953
470/J3
C3954
C3957
C3958
IC3957
PAT/C0JBAB000350
IC3958
PAT/C0JBAB000350
R3967
4700/J3
TP3951
DV_RST_N
JTAG_RST
DV_SDA_OUT
IC3955
TC7W241FUTL
R3960
4700/J3
TP3952
DV_SDA
TP3954
IC3956
C0JBAZ001003
DV_SCK_OUT
SV_DV_TXD
SV_TXD_OUT
BCLK
(MOTHER SV)
R3962
0/J3
R3966
33/J3
DV_SDA_IN
DV_SCK
SV_RXD_IN
DV_BCLK
R3961
1000/J3
EPC_NCS1
EPC_NCS2
CONFIG_DONE_P
C3951
C3952
C3953
C3955
C3956
SN74LV245APWR
SN74LV08APWR
SN74LV244APWR
Ref No. 3951-3980

COMPONENT NAME	F4: REC PB(DV_ETC)	25/25
CIRCUIT BOARD NO.		DRAWING NO.
VEP83596B/C		KR30327 (25/25)-1(0)
		SCM066


A+6
A-6
SYNC_SEP
REF_12V
AGND
DGND
P3001
K1KA96B00032
P3002
K1KA96B00032
ISP_TDI
ISP_TDO
VIDEO_OUT1_G
VIDEO_OUT3
Y_OUT
PB_OUT
PR_OUT
REF_IN
REF_CLK27_SDI
INCOM_FRM
AV_RST_L
ISP_TMS
ISP_SEL5
VIDEO_OUT2
VIDEO_OUT3_G
Y_OUT_G
PB_OUT_G
PR_OUT_G
REF_IN_G
INCOM_HD
AV_CS_VOUT_L
AV_IORD_L
ISP_TCK
CONF_INFO
VIDEO_OUT1
VIDEO_OUT2_G
INCOM_CF
AV_IOWR_L
IN_BUFF
OUT_BUFF
COMPOSITE_BUFF
COMPONENT_BUFF
SDI_YC[0-9]
REC_YC[0-7]
AV_ADRS[0-10]
AV_DATA[0-7]
WFM_RF
WFM_CTL
EE_CF
EE_CLK27
LCD_Y_OUT
LCD_PB_OUT
LCD_PR_OUT
CHR_VSYNC_L
CHR_DATA_H
REF_CLK27_AP
REF_CLK27_RP
REF_HD
PB_CLK27
WFM_TC
EE_FRM
TC_FRM
REF_CLK27_SDTI
CHR_HSYNC_L
REF_CF
PB_FRM
WFM_ENV
EE_HD
OUT_FRM
CHR_CLK
CHR_GATE_H
REF_FRM
PB_FRM2
PB_YC[0-7]
TBC_CTRL
L3001 VLF1151A132T
L3002 VLF1151A132T
C3001 6V100/EHB
C3002 6V100/EHB
C3003 0.1/UFV
C3004 0.1/UFV
D+3
D+5
TP3001
TP3002
TP3003
TP3004
TP3005
R3001
D1H810240001
TBC_LSI
TDO
ENC_CTRL
TDI
TMS
TCK
TRST
TBC_CTRL, TBC_LSI, PROC_AMP, ENC_CTRL
A
B
C
D
E
F
G
H
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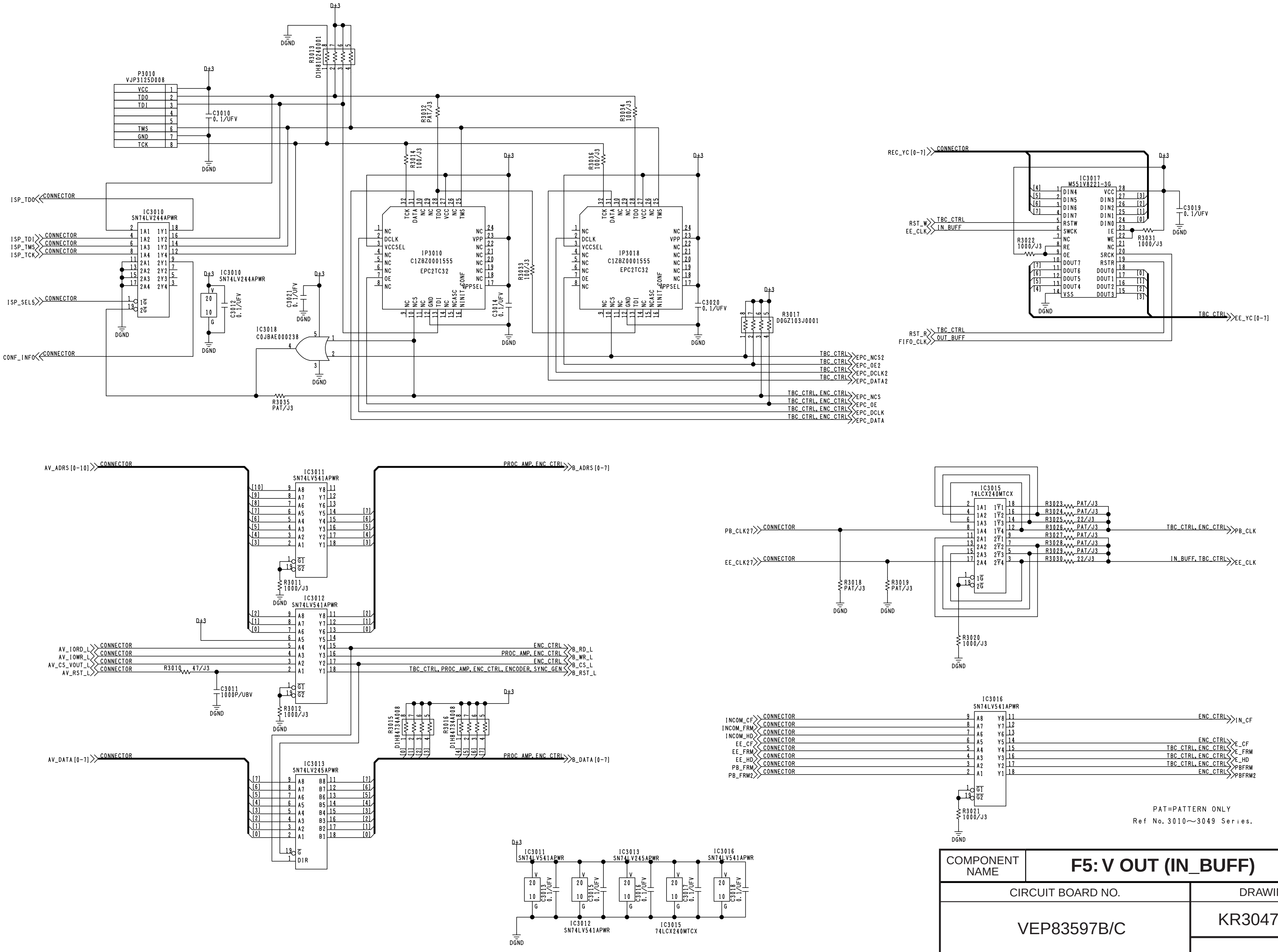
PAT=PATTERN ONLY

Ref No.3001～3009 Series.

COMPONENT NAME	**F5: V OUT (CONNECTOR)**	01/16
CIRCUIT BOARD NO.	DRAWING NO.	
VEP83597B/C	KR30470 (1/16) (0)	
	SCM067	


P3010
VJP3125D008
IC3010
SN74LV244APWR
IP3010
C1ZBZ0001555
EPC2TC32
IP3018
C1ZBZ0001555
EPC2TC32
IC3018
C0JBAE000238
R3017
D0GZ103J0001
IC3017
MS51V8221-3G
IC3011
SN74LV541APWR
IC3012
SN74LV541APWR
IC3013
SN74LV245APWR
IC3015
74LCX240MTCX
IC3016
SN74LV541APWR
ISP_TDO
ISP_TDI
ISP_TMS
ISP_TCK
ISP_SELS
CONF_INFO
REC_YC[0-7]
RST_W
EE_CLK
RST_R
FIFO_CLK
EE_YC[0-7]
EPC_NCS2
EPC_OE2
EPC_DCLK2
EPC_DATA2
EPC_NCS
EPC_OE
EPC_DCLK
EPC_DATA
AV_ADRS[0-10]
B_ADRS[0-7]
AV_IORD_L
AV_IOWR_L
AV_CS_VOUT_L
AV_RST_L
B_RD_L
B_WR_L
B_CS_L
B_RST_L
AV_DATA[0-7]
B_DATA[0-7]
PB_CLK27
EE_CLK27
PB_CLK
INCOM_CF
INCOM_FRM
INCOM_HD
EE_CF
EE_FRM
EE_HD
PB_FRM
PB_FRM2
IN_CF
E_CF
E_FRM
E_HD
PBFRM
PBFRM2
D+3
DGND
PAT=PATTERN ONLY
Ref No. 3010～3049 Series.
A
B
C
D
E
F
G
H
I
J
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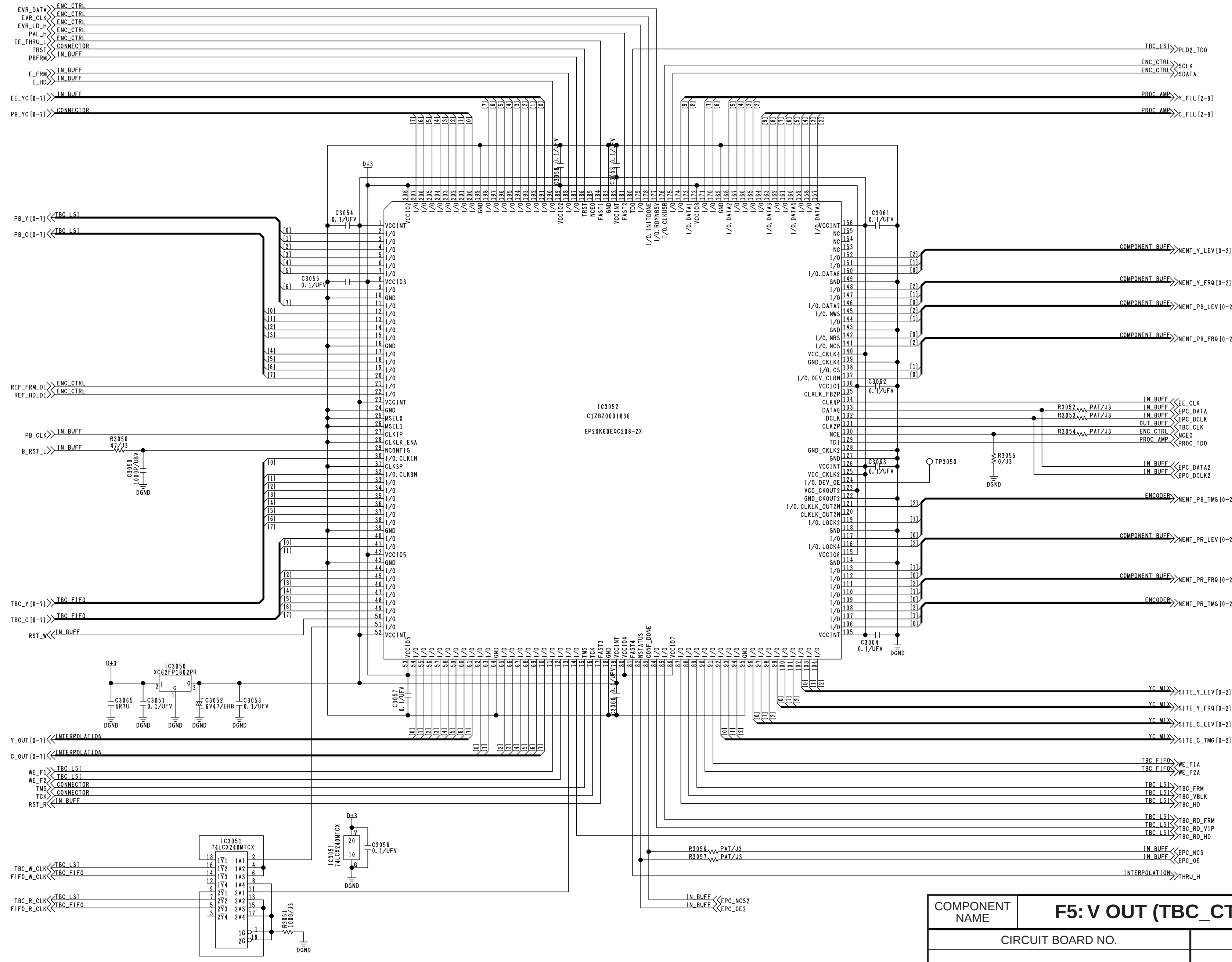
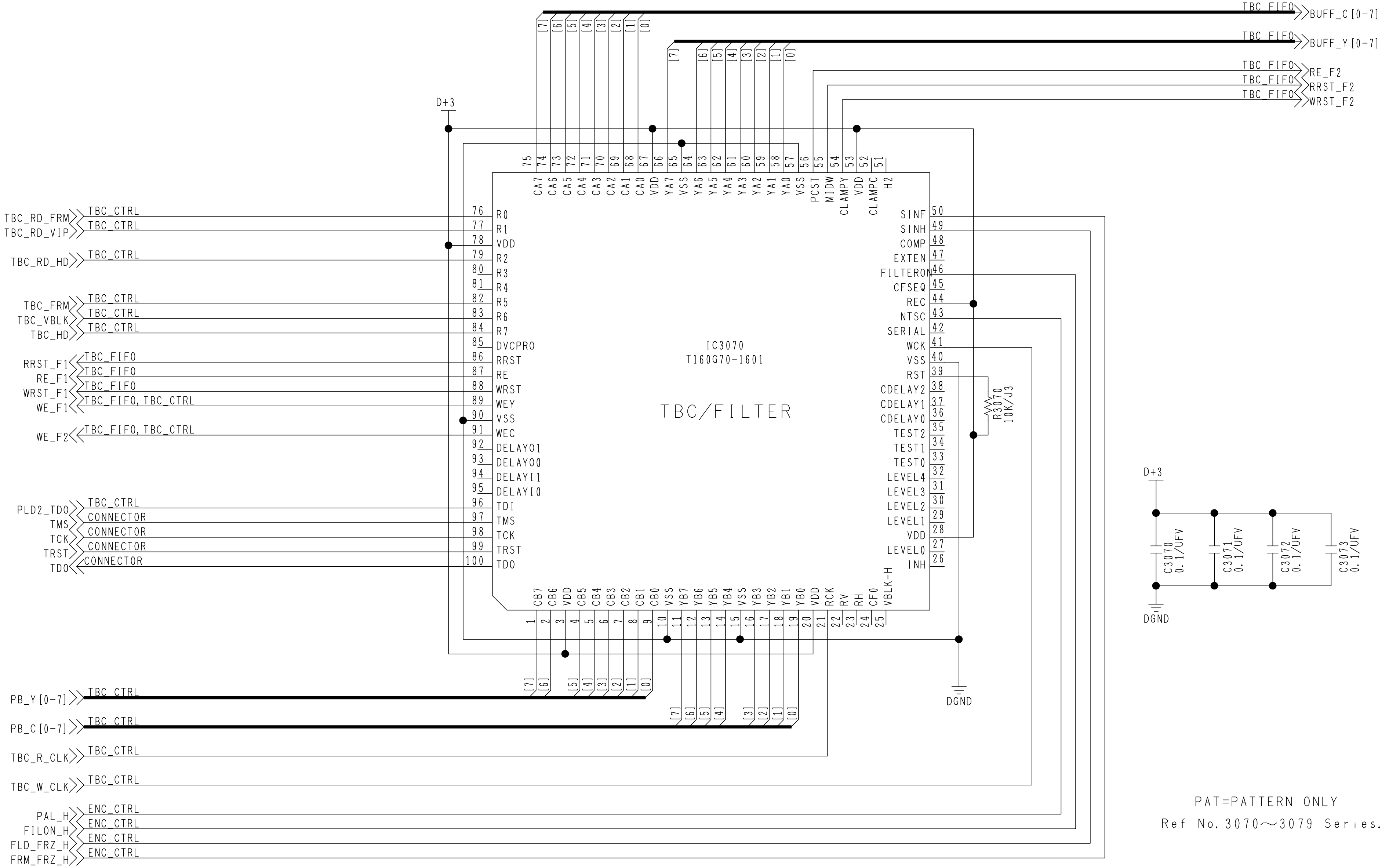
COMPONENT NAME	F5: V OUT (IN_BUFF)	02/16
CIRCUIT BOARD NO.		DRAWING NO.
VEP83597B/C		KR30470 (2/16) (0)
		SCM068


IC3052
C1ZBZ0001836
EP20K60EQC208-2X
IC3050
XC62FP1802PR
IC3051
74LCX240MTCX
EVR_DATA
EVR_CLK
EVR_LD_H
PAL_H
EE_THRU_L
TRST
PBFRM
E_FRM
E_HD
EE_YC[0-7]
PB_YC[0-7]
PB_Y[0-7]
PB_C[0-7]
REF_FRM_DL
REF_HD_DL
PB_CLK
B_RST_L
TBC_Y[0-7]
TBC_C[0-7]
RST_W
Y_OUT[0-7]
C_OUT[0-7]
WE_F1
WE_F2
TMS
TCK
RST_R
TBC_W_CLK
FIFO_W_CLK
TBC_R_CLK
FIFO_R_CLK
PLD2_TDO
SCLK
SDATA
Y_FIL[2-9]
C_FIL[2-9]
NENT_Y_LEV[0-2]
NENT_Y_FRQ[0-2]
NENT_PB_LEV[0-2]
NENT_PB_FRQ[0-2]
EE_CLK
EPC_DATA
EPC_DCLK
TBC_CLK
NCEO
PROC_TDO
EPC_DATA2
EPC_DCLK2
TP3050
NENT_PB_TMG[0-2]
NENT_PR_LEV[0-2]
NENT_PR_FRQ[0-2]
NENT_PR_TMG[0-2]
SITE_Y_LEV[0-2]
SITE_Y_FRQ[0-2]
SITE_C_LEV[0-2]
SITE_C_TMG[0-2]
WE_F1A
WE_F2A
TBC_FRM
TBC_VBLK
TBC_HD
TBC_RD_FRM
TBC_RD_VIP
TBC_RD_HD
EPC_NCS
EPC_OE
THRU_H
EPC_NCS2
EPC_OE2
D+3
DGND
C3050 1000P/UBV
C3051 0.1/UFV
C3052 6V47/EHB
C3053 0.1/UFV
C3054 0.1/UFV
C3055 0.1/UFV
C3056 0.1/UFV
C3057 0.1/UFV
C3061 0.1/UFV
C3062 0.1/UFV
C3063 0.1/UFV
C3064 0.1/UFV
C3065 4R7U
R3050 47/J3
R3051 1000/J3
R3052 PAT/J3
R3053 PAT/J3
R3054 PAT/J3
R3055 0/J3
R3056 PAT/J3
R3057 PAT/J3

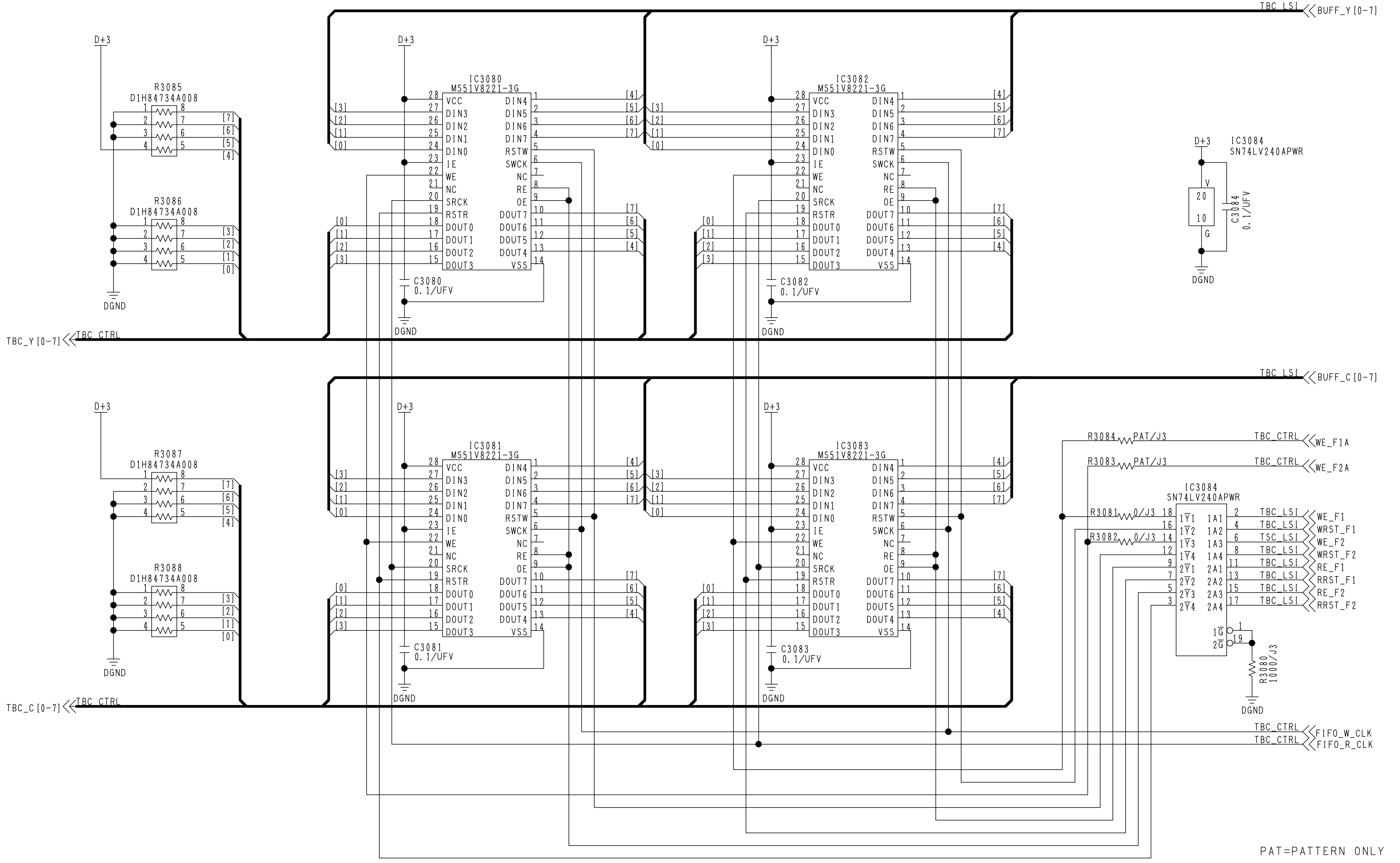
PAT=PATTERN ONLY
Ref No. 3050～3069 Series.

COMPONENT NAME	F5: V OUT (TBC_CTRL)	03/16
CIRCUIT BOARD NO.	DRAWING NO.	
VEP83597B/C	KR30470 (3/16) (0)	
	SCM069	


IC3070
T160G70-1601
TBC/FILTER
D+3
DGND
TBC_FIFO BUFF_C[0-7]
TBC_FIFO BUFF_Y[0-7]
TBC_FIFO RE_F2
TBC_FIFO RRST_F2
TBC_FIFO WRST_F2
TBC_RD_FRM TBC_CTRL
TBC_RD_VIP TBC_CTRL
TBC_RD_HD TBC_CTRL
TBC_FRM TBC_CTRL
TBC_VBLK TBC_CTRL
TBC_HD TBC_CTRL
RRST_F1 TBC_FIFO
RE_F1 TBC_FIFO
WRST_F1 TBC_FIFO
WE_F1 TBC_FIFO, TBC_CTRL
WE_F2 TBC_FIFO, TBC_CTRL
PLD2_TDO TBC_CTRL
TMS CONNECTOR
TCK CONNECTOR
TRST CONNECTOR
TDO CONNECTOR
PB_Y[0-7] TBC_CTRL
PB_C[0-7] TBC_CTRL
TBC_R_CLK TBC_CTRL
TBC_W_CLK TBC_CTRL
PAL_H ENC_CTRL
FILON_H ENC_CTRL
FLD_FRZ_H ENC_CTRL
FRM_FRZ_H ENC_CTRL
76 R0
77 R1
78 VDD
79 R2
80 R3
81 R4
82 R5
83 R6
84 R7
85 DVCPRO
86 RRST
87 RE
88 WRST
89 WEY
90 VSS
91 WEC
92 DELAYO1
93 DELAYO0
94 DELAYI1
95 DELAYI0
96 TDI
97 TMS
98 TCK
99 TRST
100 TDO
75
74 CA7
73 CA6
72 CA5
71 CA4
70 CA3
69 CA2
68 CA1
67 CA0
66 VDD
65 YA7
64 VSS
63 YA6
62 YA5
61 YA4
60 YA3
59 YA2
58 YA1
57 YA0
56 VSS
55 PCST
54 MIDW
53 CLAMPY
52 VDD
51 CLAMPC H2
50 SINF
49 SINH
48 COMP
47 EXTEN
46 FILTERON
45 CFSEQ
44 REC
43 NTSC
42 SERIAL
41 WCK
40 VSS
39 RST
38 CDELAY2
37 CDELAY1
36 CDELAY0
35 TEST2
34 TEST1
33 TEST0
32 LEVEL4
31 LEVEL3
30 LEVEL2
29 LEVEL1
28 VDD
27 LEVEL0
26 INH
1 CB7
2 CB6
3 VDD
4 CB5
5 CB4
6 CB3
7 CB2
8 CB1
9 CB0
10 VSS
11 YB7
12 YB6
13 YB5
14 YB4
15 VSS
16 YB3
17 YB2
18 YB1
19 YB0
20 VDD
21 RCK
22 RV
23 RH
24 CF0
25 VBLK-H
[7] [6] [5] [4] [3] [2] [1] [0]
R3070 10K/J3
C3070 0.1/UFV
C3071 0.1/UFV
C3072 0.1/UFV
C3073 0.1/UFV

PAT=PATTERN ONLY
Ref No.3070～3079 Series.

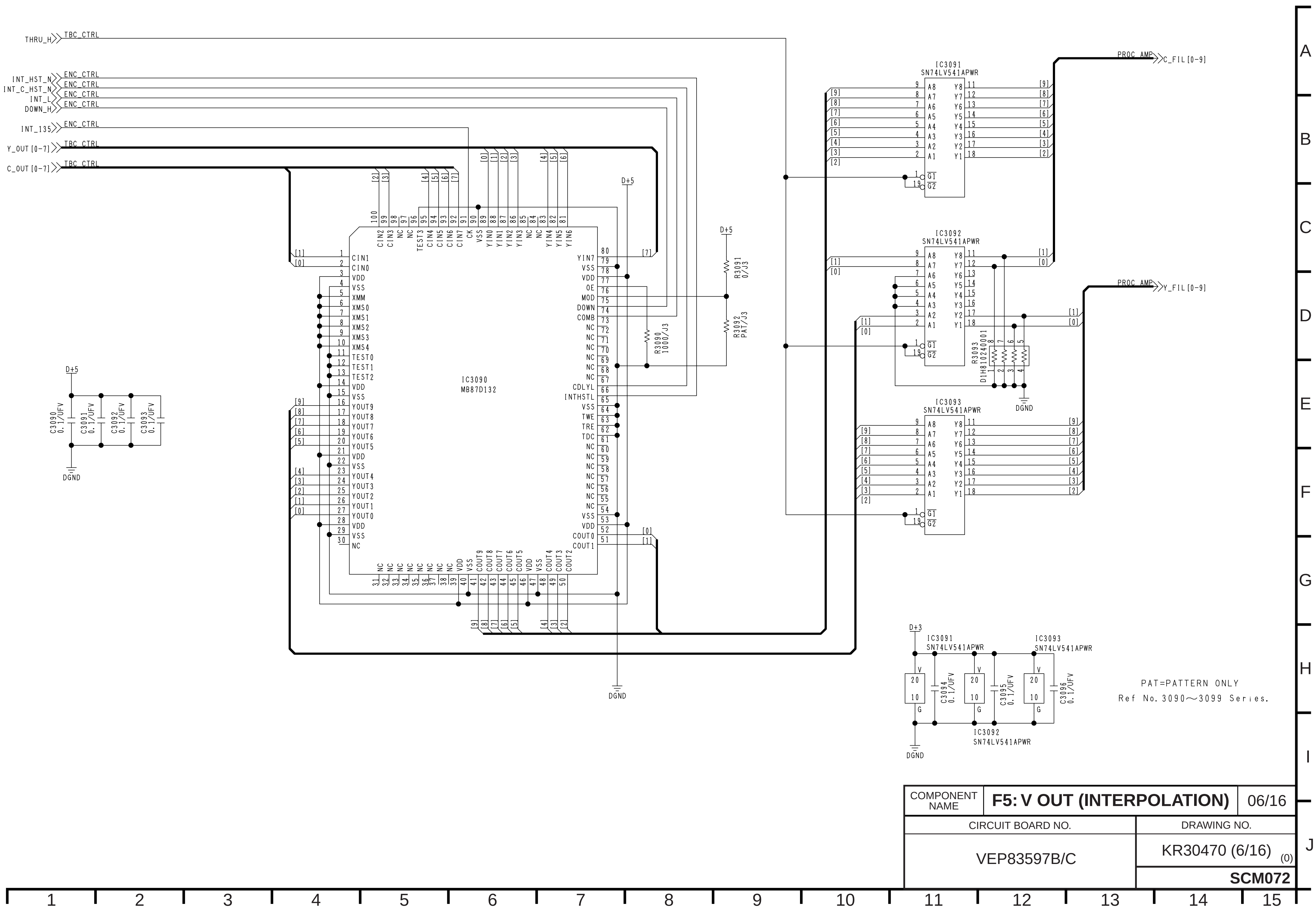
COMPONENT NAME	F5: V OUT (TBC_LSI)	04/16
CIRCUIT BOARD NO.	DRAWING NO.	
VEP83597B/C	KR30470 (4/16) (0)	
	SCM070	


IC3080
MS51V8221-3G
IC3081
MS51V8221-3G
IC3082
MS51V8221-3G
IC3083
MS51V8221-3G
IC3084
SN74LV240APWR
VCC
DIN0
DIN1
DIN2
DIN3
DIN4
DIN5
DIN6
DIN7
IE
WE
NC
SRCK
RSTR
DOUT0
DOUT1
DOUT2
DOUT3
DOUT4
DOUT5
DOUT6
DOUT7
RSTW
SWCK
RE
OE
VSS
R3085
D1H84734A008
R3086
D1H84734A008
R3087
D1H84734A008
R3088
D1H84734A008
C3080
0.1/UFV
C3081
0.1/UFV
C3082
0.1/UFV
C3083
0.1/UFV
C3084
0.1/UFV
R3080
1000/J3
R3081
0/J3
R3082
0/J3
R3083
PAT/J3
R3084
PAT/J3
D+3
DGND
TBC_Y[0-7]
TBC_C[0-7]
TBC_CTRL
TBC_LSI
BUFF_Y[0-7]
BUFF_C[0-7]
WE_F1A
WE_F2A
WE_F1
WRST_F1
WE_F2
WRST_F2
RE_F1
RRST_F1
RE_F2
RRST_F2
FIFO_W_CLK
FIFO_R_CLK
1Y1
1Y2
1Y3
1Y4
2Y1
2Y2
2Y3
2Y4
1A1
1A2
1A3
1A4
2A1
2A2
2A3
2A4
1G
2G
V
G
20
10

PAT=PATTERN ONLY

Ref No. 3080～3089 Series.

COMPONENT NAME	F5: V OUT (TBC_FIFO)	05/16
CIRCUIT BOARD NO.	DRAWING NO.	
VEP83597B/C	KR30470 (5/16) (0)	
	SCM071	


THRU_H
TBC_CTRL
INT_HST_N
INT_C_HST_N
INT_L
DOWN_H
ENC_CTRL
INT_135
Y_OUT[0-7]
C_OUT[0-7]
IC3090
MB87D132
CIN1
CIN0
VDD
VSS
XMM
XMS0
XMS1
XMS2
XMS3
XMS4
TEST0
TEST1
TEST2
YOUT9
YOUT8
YOUT7
YOUT6
YOUT5
YOUT4
YOUT3
YOUT2
YOUT1
YOUT0
NC
CIN2
CIN3
TEST3
CIN4
CIN5
CIN6
CIN7
CK
YIN0
YIN1
YIN2
YIN3
YIN4
YIN5
YIN6
YIN7
OE
MOD
DOWN
COMB
CDLYL
INTHSTL
TWE
TRE
TDC
COUT0
COUT1
COUT2
COUT3
COUT4
COUT5
COUT6
COUT7
COUT8
COUT9
D+5
R3091
0/J3
R3092
PAT/J3
R3090
1000/J3
C3090
C3091
C3092
C3093
0.1/UFV
DGND
IC3091
IC3092
IC3093
SN74LV541APWR
A1
A2
A3
A4
A5
A6
A7
A8
Y1
Y2
Y3
Y4
Y5
Y6
Y7
Y8
G1
G2
PROC_AMP
C_FIL[0-9]
Y_FIL[0-9]
R3093
D1H810240001
D+3
C3094
C3095
C3096
A
B
C
D
E
F
G
H
I
J
1
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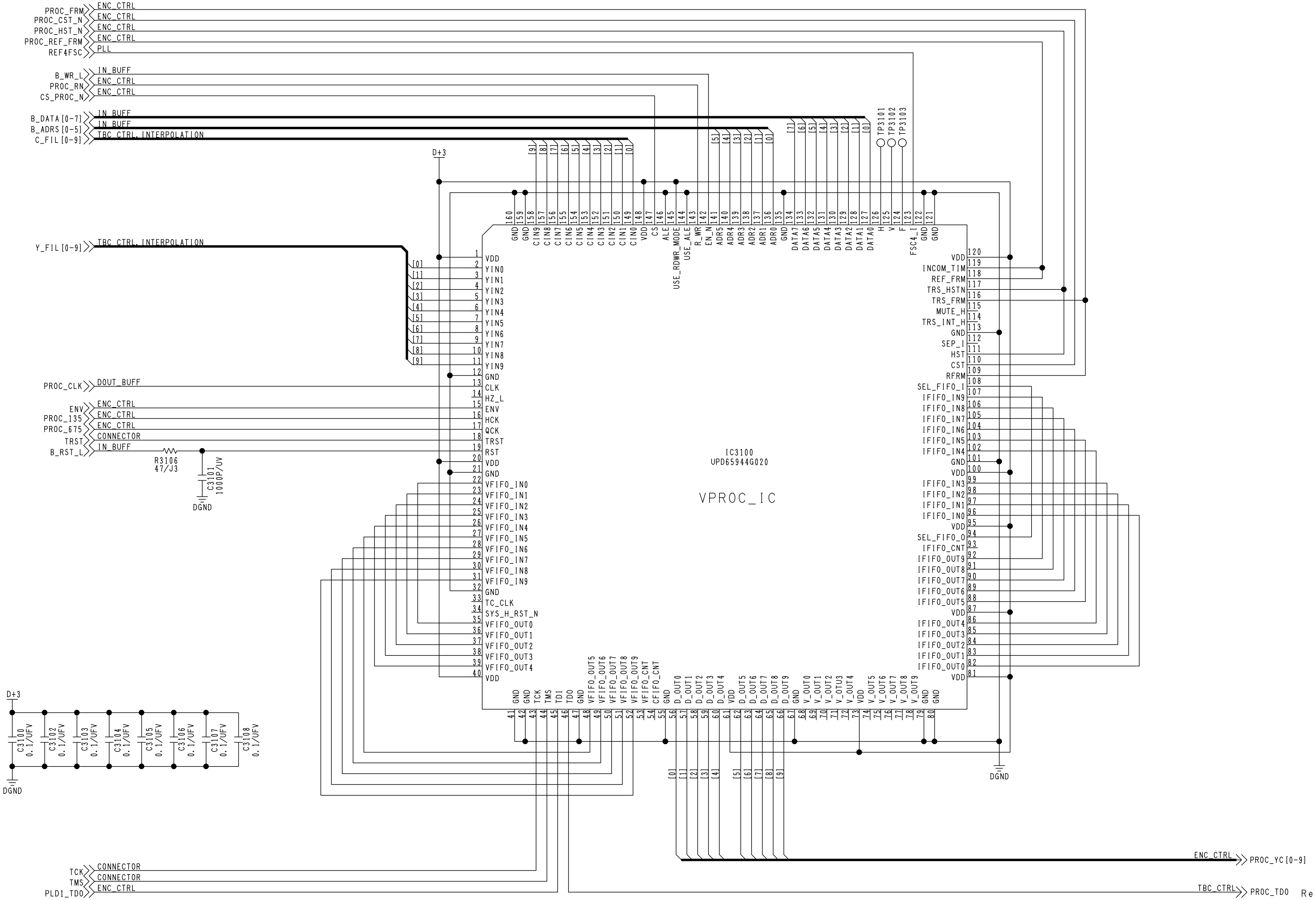
PAT=PATTERN ONLY
Ref No.3090～3099 Series.

COMPONENT NAME	F5: V OUT (INTERPOLATION)	06/16
CIRCUIT BOARD NO.	DRAWING NO.	
VEP83597B/C	KR30470 (6/16) (0)	
	SCM072	


PROC_FRM
ENC_CTRL
PROC_CST_N
ENC_CTRL
PROC_HST_N
ENC_CTRL
PROC_REF_FRM
ENC_CTRL
REF4FSC
PLL
B_WR_L
IN_BUFF
PROC_RN
ENC_CTRL
CS_PROC_N
ENC_CTRL
B_DATA[0-7]
IN_BUFF
B_ADRS[0-5]
IN_BUFF
C_FIL[0-9]
TBC_CTRL,INTERPOLATION
D+3
TP3101
TP3102
TP3103
Y_FIL[0-9]
TBC_CTRL,INTERPOLATION
PROC_CLK
DOUT_BUFF
ENV
ENC_CTRL
PROC_135
ENC_CTRL
PROC_675
ENC_CTRL
TRST
CONNECTOR
B_RST_L
IN_BUFF
R3106
47/J3
C3101
1000P/UV
DGND
IC3100
UPD65944G020
VPROC_IC
1 VDD
2 YIN0
3 YIN1
4 YIN2
5 YIN3
6 YIN4
7 YIN5
8 YIN6
9 YIN7
10 YIN8
11 YIN9
12 GND
13 CLK
14 HZ_L
15 ENV
16 HCK
17 QCK
18 TRST
19 RST
20 VDD
21 GND
22 VFIFO_IN0
23 VFIFO_IN1
24 VFIFO_IN2
25 VFIFO_IN3
26 VFIFO_IN4
27 VFIFO_IN5
28 VFIFO_IN6
29 VFIFO_IN7
30 VFIFO_IN8
31 VFIFO_IN9
32 GND
33 TC_CLK
34 SYS_H_RST_N
35 VFIFO_OUT0
36 VFIFO_OUT1
37 VFIFO_OUT2
38 VFIFO_OUT3
39 VFIFO_OUT4
40 VDD
41 GND
42 GND
43 TCK
44 TMS
45 TDI
46 TDO
47 GND
48 VFIFO_OUT5
49 VFIFO_OUT6
50 VFIFO_OUT7
51 VFIFO_OUT8
52 VFIFO_OUT9
53 CFIFO_CNT
54 CFIFO_CNT
55 GND
56 D_OUT0
57 D_OUT1
58 D_OUT2
59 D_OUT3
60 D_OUT4
61 VDD
62 D_OUT5
63 D_OUT6
64 D_OUT7
65 D_OUT8
66 D_OUT9
67 GND
68 V_OUT0
69 V_OUT1
70 V_OUT2
71 V_OTU3
72 V_OUT4
73 VDD
74 V_OUT5
75 V_OUT6
76 V_OUT7
77 V_OUT8
78 V_OUT9
79 GND
80 GND
81 VDD
82 IFIFO_OUT0
83 IFIFO_OUT1
84 IFIFO_OUT2
85 IFIFO_OUT3
86 IFIFO_OUT4
87 VDD
88 IFIFO_OUT5
89 IFIFO_OUT6
90 IFIFO_OUT7
91 IFIFO_OUT8
92 IFIFO_OUT9
93 IFIFO_CNT
94 SEL_FIFO_O
95 VDD
96 IFIFO_IN0
97 IFIFO_IN1
98 IFIFO_IN2
99 IFIFO_IN3
100 VDD
101 GND
102 IFIFO_IN4
103 IFIFO_IN5
104 IFIFO_IN6
105 IFIFO_IN7
106 IFIFO_IN8
107 IFIFO_IN9
108 SEL_FIFO_I
109 RFRM
110 CST
111 HST
112 SEP_I
113 GND
114 TRS_INT_H
115 MUTE_H
116 TRS_FRM
117 TRS_HSTN
118 REF_FRM
119 INCOM_TIM
120 VDD
121 GND
122 GND
123 FSC4_I
124 F
125 V
126 H
127 DATA0
128 DATA1
129 DATA2
130 DATA3
131 DATA4
132 DATA5
133 DATA6
134 DATA7
135 GND
136 ADR0
137 ADR1
138 ADR2
139 ADR3
140 ADR4
141 ADR5
142 EN_N
143 R_WR
144 USE_ALE
145 USE_RDWR_MODE
146 ALE
147 CS
148 VDD
149 CIN0
150 CIN1
151 CIN2
152 CIN3
153 CIN4
154 CIN5
155 CIN6
156 CIN7
157 CIN8
158 CIN9
159 GND
160 GND
D+3
C3100 0.1/UFV
C3102 0.1/UFV
C3103 0.1/UFV
C3104 0.1/UFV
C3105 0.1/UFV
C3106 0.1/UFV
C3107 0.1/UFV
C3108 0.1/UFV
DGND
DGND
TCK
CONNECTOR
TMS
CONNECTOR
PLD1_TDO
ENC_CTRL
ENC_CTRL
PROC_YC[0-9]
TBC_CTRL
PROC_TDO
A
B
C
D
E
F
G
H
I
J
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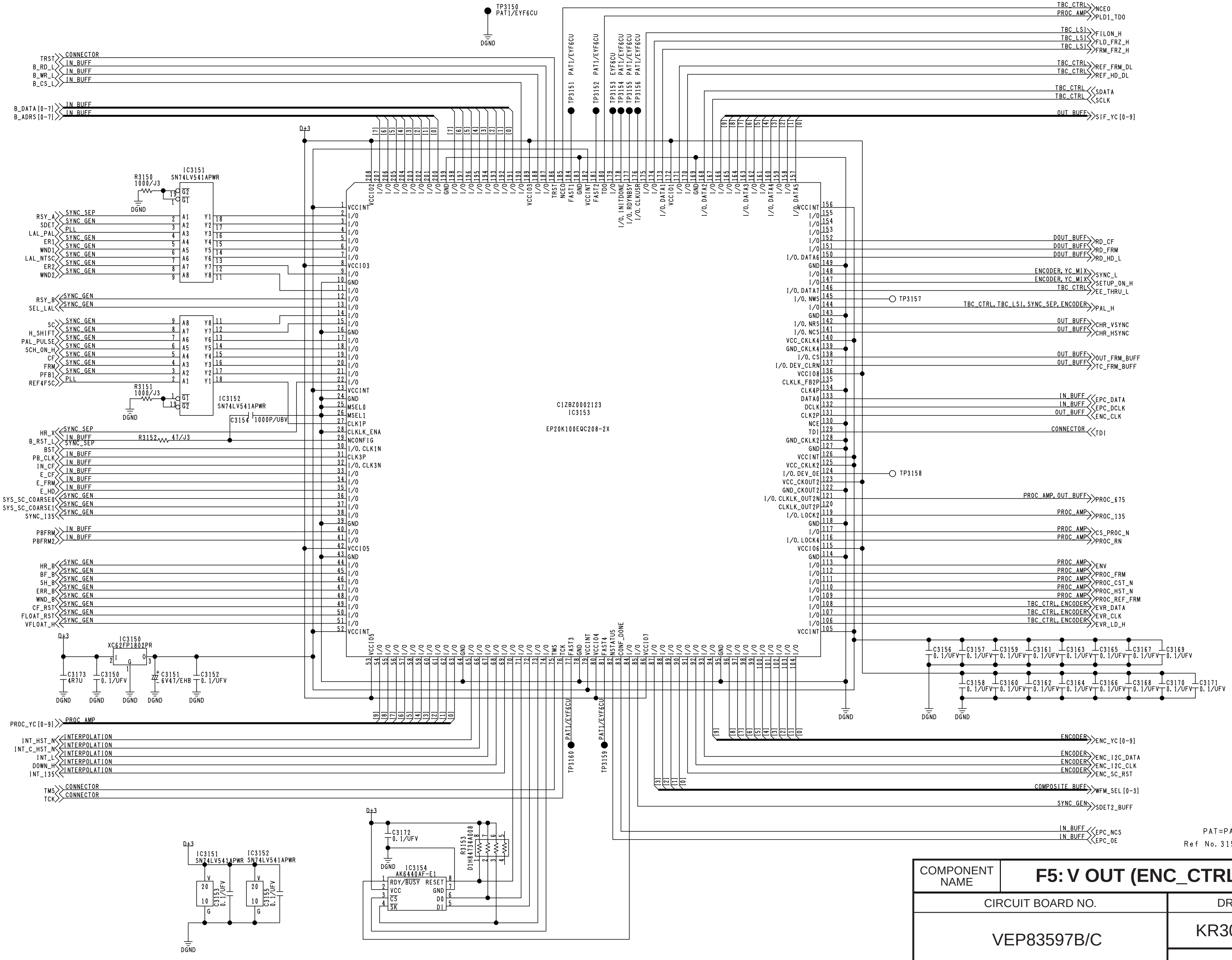
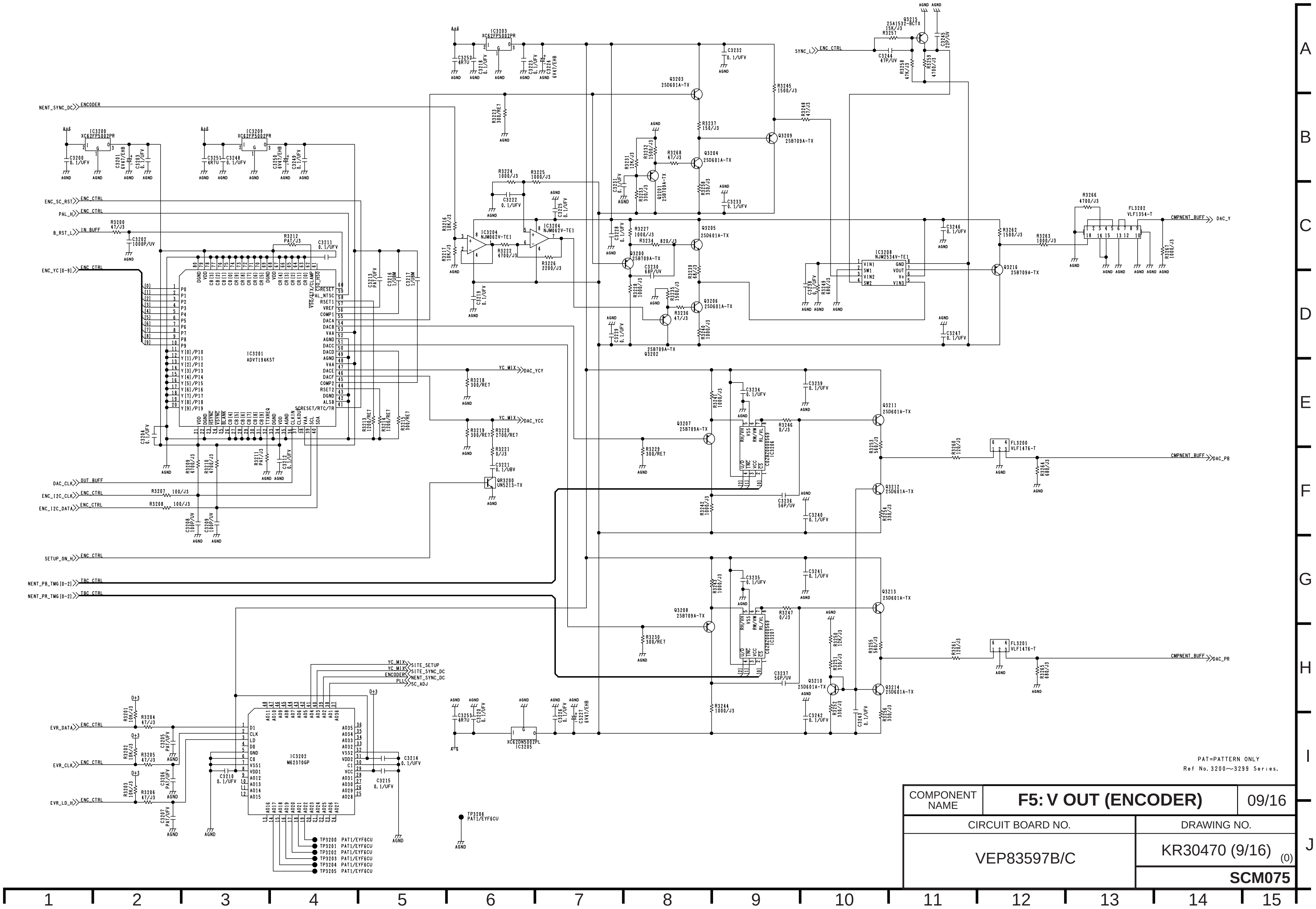
PAT=PATTERN ONLY
Ref No.3100～3149 Series.

COMPONENT NAME	F5: V OUT (PROC_AMP)	07/16
CIRCUIT BOARD NO.	DRAWING NO.	
VEP83597B/C	KR30470 (7/16) (0)	
	SCM073	


TP3150 PAT1/EYF6CU
DGND
TRST
B_RD_L
B_WR_L
B_CS_L
B_DATA[0-7]
B_ADRS[0-7]
CONNECTOR
IN_BUFF
TP3151 PAT1/EYF6CU
TP3152 PAT1/EYF6CU
TP3153 EYF6CU
TP3154 PAT1/EYF6CU
TP3155 PAT1/EYF6CU
TP3156 PAT1/EYF6CU
TBC_CTRL
PROC_AMP
TBC_LSI
OUT_BUFF
NCEO
PLD1_TDO
FILON_H
FLD_FRZ_H
FRM_FRZ_H
REF_FRM_DL
REF_HD_DL
SDATA
SCLK
SIF_YC[0-9]
D+3
R3150 1000/J3
IC3151 SN74LV541APWR
R3151 1000/J3
IC3152 SN74LV541APWR
C3154 1000P/UBV
R3152 47/J3
RSY_A
SDET
LAL_PAL
ER1
WND1
LAL_NTSC
ER2
WND2
SYNC_SEP
SYNC_GEN
PLL
RSY_B
SEL_LAL
SC
H_SHIFT
PAL_PULSE
SCH_ON_H
CF
FRM
PFB1
REF4FSC
HR_X
B_RST_L
BST
PB_CLK
IN_CF
E_CF
E_FRM
E_HD
SYS_SC_COARSE0
SYS_SC_COARSE1
SYNC_135
PBFRM
PBFRM2
HR_B
BF_B
SH_B
ERR_B
WND_B
CF_RST
FLOAT_RST
VFLOAT_H
C1ZBZ0002123
IC3153
EP20K100EQC208-2X
DOUT_BUFF
RD_CF
RD_FRM
RD_HD_L
ENCODER, YC_MIX
SYNC_L
SETUP_ON_H
EE_THRU_L
TP3157
TBC_CTRL, TBC_LSI, SYNC_SEP, ENCODER
PAL_H
CHR_VSYNC
CHR_HSYNC
OUT_FRM_BUFF
TC_FRM_BUFF
EPC_DATA
EPC_DCLK
ENC_CLK
TDI
TP3158
PROC_AMP, OUT_BUFF
PROC_675
PROC_135
CS_PROC_N
PROC_RN
ENV
PROC_FRM
PROC_CST_N
PROC_HST_N
PROC_REF_FRM
TBC_CTRL, ENCODER
EVR_DATA
EVR_CLK
EVR_LD_H
IC3150 XC62FP1802PR
C3173 4R7U
C3150 0.1/UFV
C3151 6V47/EHB
C3152 0.1/UFV
C3156 0.1/UFV
C3157 0.1/UFV
C3159 0.1/UFV
C3161 0.1/UFV
C3163 0.1/UFV
C3165 0.1/UFV
C3167 0.1/UFV
C3169 0.1/UFV
C3158 0.1/UFV
C3160 0.1/UFV
C3162 0.1/UFV
C3164 0.1/UFV
C3166 0.1/UFV
C3168 0.1/UFV
C3170 0.1/UFV
C3171 0.1/UFV
PROC_YC[0-9]
INT_HST_N
INT_C_HST_N
INT_L
DOWN_H
INT_135
INTERPOLATION
TMS
TCK
TP3160 PAT1/EYF6CU
TP3159 PAT1/EYF6CU
ENCODER
ENC_YC[0-9]
ENC_I2C_DATA
ENC_I2C_CLK
ENC_SC_RST
COMPOSITE_BUFF
WFM_SEL[0-3]
SYNC_GEN
SDET2_BUFF
EPC_NCS
EPC_OE
C3172 0.1/UFV
R3153 D1H84734A008
IC3154 AK6440AF-E1
RDY/BUSY
RESET
VCC
GND
CS
DO
SK
DI
C3153 0.1/UFV
C3155 0.1/UFV

PAT=PATTERN ONLY
Ref No.3150~3199 Series.

COMPONENT NAME	F5: V OUT (ENC_CTRL)	08/16
CIRCUIT BOARD NO.	DRAWING NO.	
VEP83597B/C	KR30470 (8/16) (0)	
	SCM074	


NENT_SYNC_DC
ENCODER
ENC_SC_RST
PAL_H
B_RST_L
IN_BUFF
ENC_YC[0-9]
ENC_CTRL
DAC_CLK
OUT_BUFF
ENC_I2C_CLK
ENC_I2C_DATA
SETUP_ON_H
NENT_PB_TMG[0-2]
NENT_PR_TMG[0-2]
TBC_CTRL
EVR_DATA
EVR_CLK
EVR_LD_H
SYNC_L
DAC_Y
DAC_YCY
DAC_YCC
DAC_PB
DAC_PR
CMPNENT_BUFF
YC_MIX
SITE_SETUP
SITE_SYNC_DC
NENT_SYNC_DC
SC_ADJ
PLL
IC3200 XC62FP5002PR
IC3209 XC62FP5002PR
IC3203 XC62FP5002PR
IC3205 XC62DN5002PL
IC3201 ADV7194KST
IC3202 M62370GP
IC3204 NJM062V-TE1
IC3208 NJM2534V-TE1
IC3206 C0ZBZ0000569
IC3207 C0ZBZ0000569
FL3200 VLF1476-T
FL3201 VLF1476-T
FL3202 VLF1354-T
Q3200 2SB709A-TX
Q3201 2SB709A-TX
Q3202 2SB709A-TX
Q3203 2SD601A-TX
Q3204 2SD601A-TX
Q3205 2SD601A-TX
Q3206 2SD601A-TX
Q3207 2SB709A-TX
Q3208 2SB709A-TX
Q3209 2SB709A-TX
Q3210 2SD601A-TX
Q3211 2SD601A-TX
Q3212 2SD601A-TX
Q3213 2SD601A-TX
Q3214 2SD601A-TX
Q3215 2SA1532-BCTX
Q3216 2SB709A-TX
QR3200 UN5213-TX
TP3200 PAT1/EYF6CU
TP3201 PAT1/EYF6CU
TP3202 PAT1/EYF6CU
TP3203 PAT1/EYF6CU
TP3204 PAT1/EYF6CU
TP3205 PAT1/EYF6CU
TP3206 PAT1/EYF6CU
AGND
A+5
D+3
1
2
3
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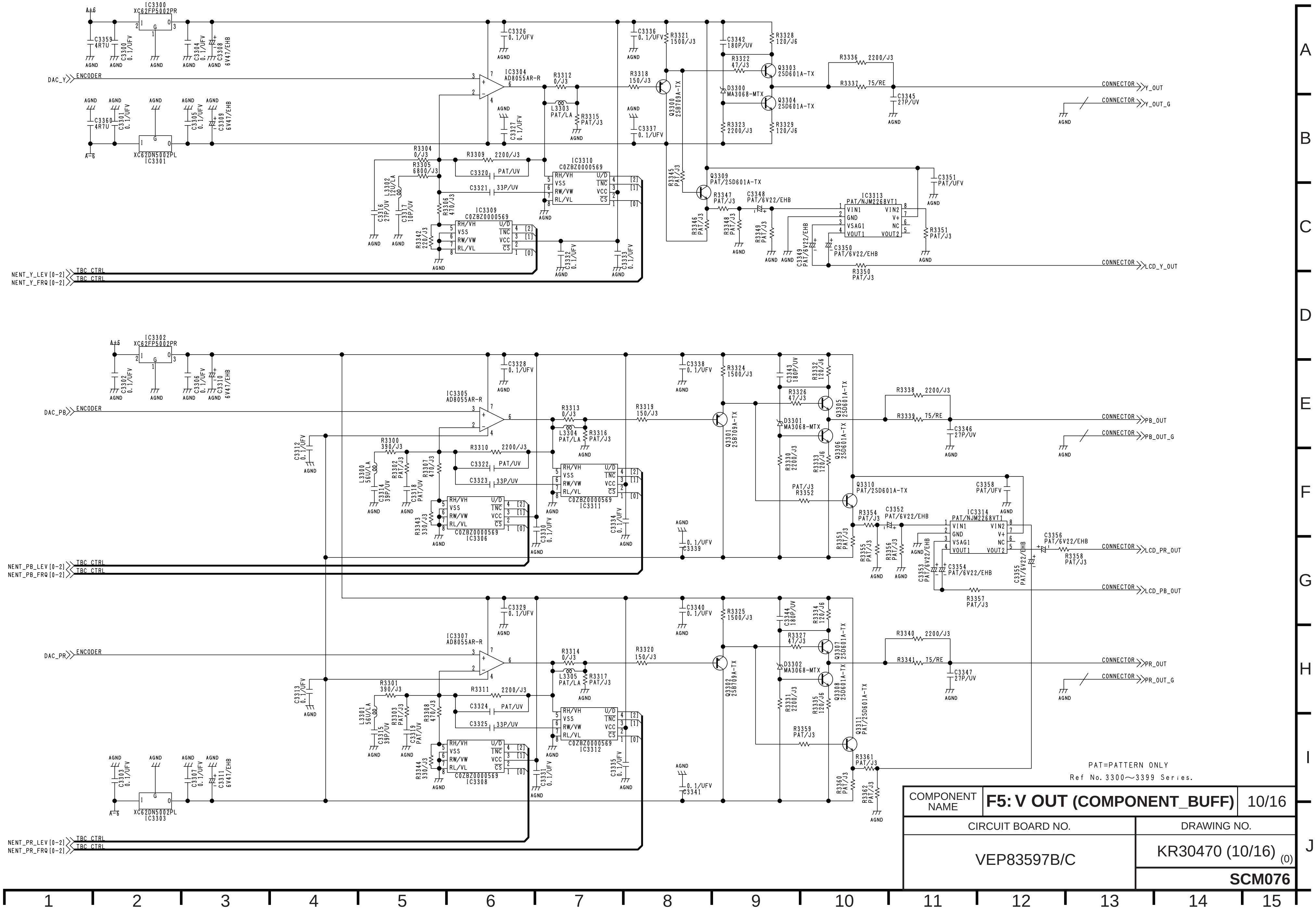
PAT=PATTERN ONLY
Ref No.3200～3299 Series.

COMPONENT NAME	F5: V OUT (ENCODER)	09/16
CIRCUIT BOARD NO.	DRAWING NO.	
VEP83597B/C	KR30470 (9/16) (0)	
	SCM075	


IC3300 XC62FP5002PR
IC3301 XC62DN5002PL
IC3302 XC62FP5002PR
IC3303 XC62DN5002PL
IC3304 AD8055AR-R
IC3305 AD8055AR-R
IC3307 AD8055AR-R
IC3309 C0ZBZ0000569
IC3310 C0ZBZ0000569
IC3306 C0ZBZ0000569
IC3311 C0ZBZ0000569
IC3308 C0ZBZ0000569
IC3312 C0ZBZ0000569
IC3313 PAT/NJM2268VT1
IC3314 PAT/NJM2268VT1
Q3300 2SB709A-TX
Q3301 2SB709A-TX
Q3302 2SB709A-TX
Q3303 2SD601A-TX
Q3304 2SD601A-TX
Q3305 2SD601A-TX
Q3306 2SD601A-TX
Q3307 2SD601A-TX
Q3308 2SD601A-TX
Q3309 PAT/2SD601A-TX
Q3310 PAT/2SD601A-TX
Q3311 PAT/2SD601A-TX
D3300 MA3068-MTX
D3301 MA3068-MTX
D3302 MA3068-MTX
A+6
A-6
AGND
DAC_Y
DAC_PB
DAC_PR
ENCODER
NENT_Y_LEV[0-2]
NENT_Y_FRQ[0-2]
NENT_PB_LEV[0-2]
NENT_PB_FRQ[0-2]
NENT_PR_LEV[0-2]
NENT_PR_FRQ[0-2]
TBC CTRL
CONNECTOR
Y_OUT
Y_OUT_G
LCD_Y_OUT
PB_OUT
PB_OUT_G
LCD_PR_OUT
LCD_PB_OUT
PR_OUT
PR_OUT_G
PAT=PATTERN ONLY
Ref No.3300～3399 Series.
A
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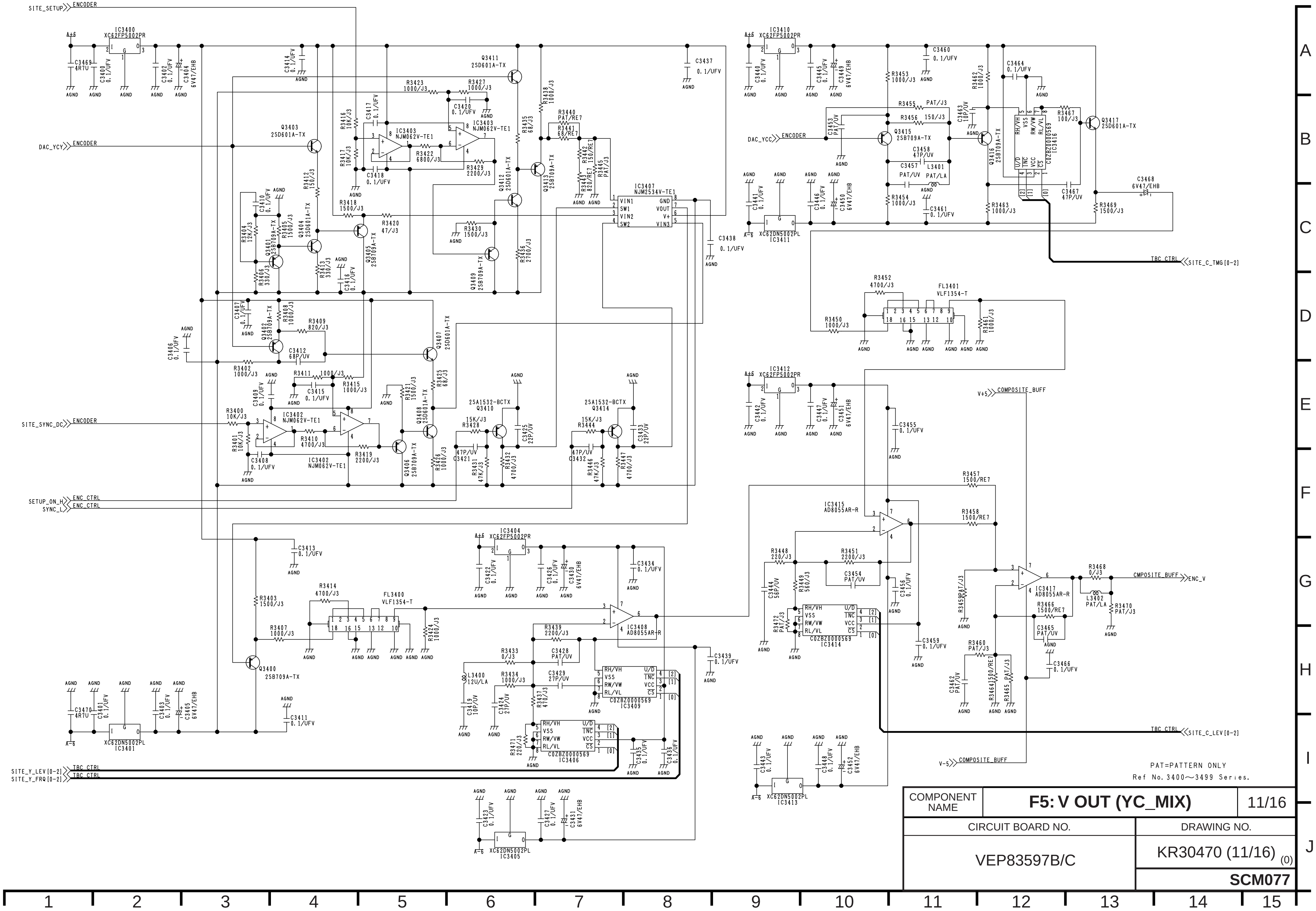
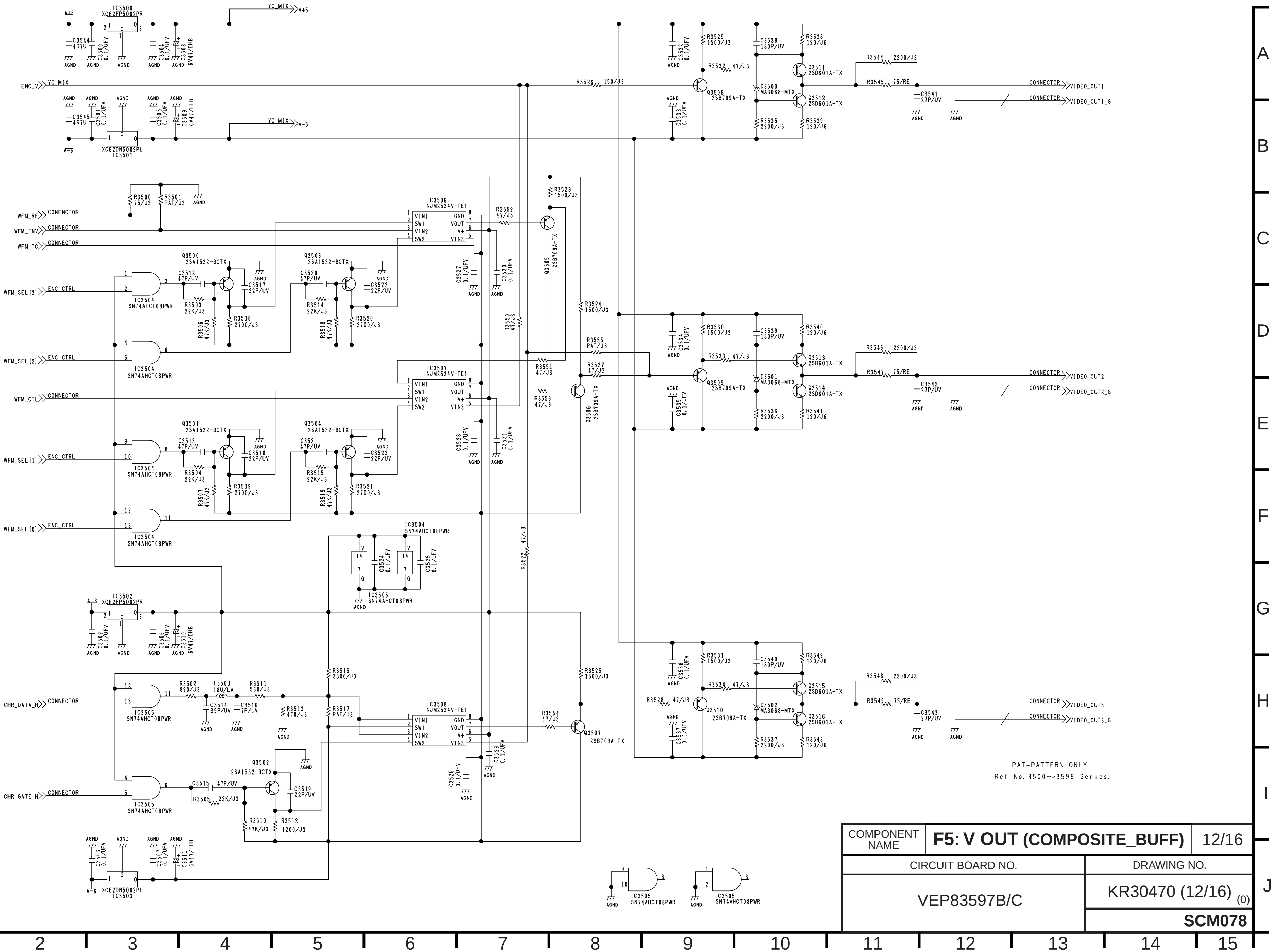
COMPONENT NAME	F5: V OUT (COMPONENT_BUFF)	10/16
CIRCUIT BOARD NO.	DRAWING NO.	
VEP83597B/C	KR30470 (10/16) (0)	
	SCM076	


SITE_SETUP
ENCODER
DAC_YCY
SITE_SYNC_DC
SETUP_ON_H
SYNC_L
ENC CTRL
SITE_Y_LEV[0-2]
SITE_Y_FRQ[0-2]
TBC CTRL
DAC_YCC
SITE_C_TMG[0-2]
SITE_C_LEV[0-2]
V+5
V-5
COMPOSITE_BUFF
CMPOSITE_BUFF
ENC_V
A+6
A-6
AGND
IC3400 XC62FP5002PR
IC3401 XC62DN5002PL
IC3402 NJM062V-TE1
IC3403 NJM062V-TE1
IC3404 XC62FP5002PR
IC3405 XC62DN5002PL
IC3406 C0ZBZ0000569
IC3407 NJM2534V-TE1
VIN1 SW1 VIN2 SW2 GND VOUT V+ VIN3
IC3408 AD8055AR-R
IC3409 C0ZBZ0000569
IC3410 XC62FP5002PR
IC3411 XC62DN5002PL
IC3412 XC62FP5002PR
IC3413 XC62DN5002PL
IC3414 C0ZBZ0000569
IC3415 AD8055AR-R
IC3416 C0ZBZ0000569
IC3417 AD8055AR-R
RH/VH VSS RW/VW RL/VL U/D TNC VCC CS
Q3400 2SB709A-TX
Q3401 2SB709A-TX
Q3402 2SB709A-TX
Q3403 2SD601A-TX
Q3404 2SD601A-TX
Q3405 2SB709A-TX
Q3406 2SB709A-TX
Q3407 2SD601A-TX
Q3408 2SD601A-TX
Q3409 2SB709A-TX
Q3410 2SA1532-BCTX
Q3411 2SD601A-TX
Q3412 2SD601A-TX
Q3413 2SB709A-TX
Q3414 2SA1532-BCTX
Q3415 2SB709A-TX
Q3416 2SB709A-TX
Q3417 2SD601A-TX
FL3400 VLF1354-T
FL3401 VLF1354-T
L3400 12U/LA
L3401 PAT/LA
L3402 PAT/LA
R3400 10K/J3
R3401 10K/J3
R3402 1000/J3
R3403 1500/J3
R3404 12K/J3
R3405 1500/J3
R3406 330/J3
R3407 1000/J3
R3408 1000/J3
R3409 820/J3
R3410 4700/J3
R3411 1000/J3
R3412 150/J3
R3413 330/J3
R3414 4700/J3
R3415 1000/J3
R3416 10K/J3
R3417 10K/J3
R3418 1500/J3
R3419 2200/J3
R3420 47/J3
R3421 1500/J3
R3422 6800/J3
R3423 1000/J3
R3424 1000/J3
R3425 68/J3
R3426 1000/J3
R3427 1000/J3
R3428 15K/J3
R3429 2200/J3
R3430 1500/J3
R3431 47K/J3
R3432 4700/J3
R3433 0/J3
R3434 1000/J3
R3435 68/J3
R3436 2700/J3
R3437 470/J3
R3438 1000/J3
R3439 2200/J3
R3440 PAT/RE7
R3441 68/RE7
R3442 150/RE7
R3443 820/RE7
R3444 15K/J3
R3445 PAT/J3
R3446 47K/J3
R3447 4700/J3
R3448 220/J3
R3449 560/J3
R3450 1000/J3
R3451 2200/J3
R3452 4700/J3
R3453 1000/J3
R3454 1000/J3
R3455 PAT/J3
R3456 150/J3
R3457 1500/RE7
R3458 1500/RE7
R3459 PAT/J3
R3460 PAT/J3
R3461 1000/J3
R3462 1000/J3
R3463 1000/J3
R3464 1500/RE7
R3465 PAT/J3
R3466 1500/RE7
R3467 100/J3
R3468 0/J3
R3469 1500/J3
R3470 PAT/J3
R3471 220/J3
R3472 PAT/J3
C3400 0.1/UFV
C3401 0.1/UFV
C3402 0.1/UFV
C3403 0.1/UFV
C3404 6V47/EHB
C3405 6V47/EHB
C3406 0.1/UFV
C3407 0.1/UFV
C3408 0.1/UFV
C3409 0.1/UFV
C3410 0.1/UFV
C3411 0.1/UFV
C3412 68P/UV
C3413 0.1/UFV
C3414 0.1/UFV
C3415 0.1/UFV
C3416 0.1/UFV
C3417 0.1/UFV
C3418 0.1/UFV
C3419 10P/UV
C3420 0.1/UFV
C3421 47P/UV
C3422 0.1/UFV
C3423 0.1/UFV
C3424 27P/UV
C3425 22P/UV
C3426 0.1/UFV
C3427 0.1/UFV
C3428 PAT/UV
C3429 27P/UV
C3430 6V47/EHB
C3431 6V47/EHB
C3432 47P/UV
C3433 22P/UV
C3434 0.1/UFV
C3435 0.1/UFV
C3436 0.1/UFV
C3437 0.1/UFV
C3438 0.1/UFV
C3439 0.1/UFV
C3440 0.1/UFV
C3441 0.1/UFV
C3442 0.1/UFV
C3443 0.1/UFV
C3444 56P/UV
C3445 0.1/UFV
C3446 0.1/UFV
C3447 0.1/UFV
C3448 0.1/UFV
C3449 6V47/EHB
C3450 6V47/EHB
C3451 6V47/EHB
C3452 6V47/EHB
C3453 PAT/UV
C3454 PAT/UV
C3455 0.1/UFV
C3456 0.1/UFV
C3457 PAT/UV
C3458 47P/UV
C3459 0.1/UFV
C3460 0.1/UFV
C3461 0.1/UFV
C3462 PAT/UV
C3463 10P/UV
C3464 0.1/UFV
C3465 PAT/UV
C3466 0.1/UFV
C3467 47P/UV
C3468 6V47/EHB
C3469 4R7U
C3470 4R7U
A B C D E F G H I J
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

PAT=PATTERN ONLY

Ref No. 3400～3499 Series.

COMPONENT NAME	F5: V OUT (YC_MIX)	11/16
CIRCUIT BOARD NO.	DRAWING NO.	
VEP83597B/C	KR30470 (11/16) (0)	
	SCM077	


IC3500
XC62FP5002PR
IC3501
XC62DN5002PL
IC3502
XC62FP5002PR
IC3503
XC62DN5002PL
A+6
A-6
YC_MIX
V+5
V-5
ENC_V
C3544
4R7U
C3545
4R7U
C3500
0.1/UFV
C3501
0.1/UFV
C3504
0.1/UFV
C3505
0.1/UFV
C3508
6V47/EHB
C3509
6V47/EHB
AGND
R3500
75/J3
R3501
PAT/J3
WFM_RF
WFM_ENV
WFM_TC
WFM_CTL
CONNECTOR
CONENCTOR
IC3506
NJM2534V-TE1
IC3507
NJM2534V-TE1
IC3508
NJM2534V-TE1
VIN1
SW1
VIN2
SW2
GND
VOUT
V+
VIN3
WFM_SEL[3]
WFM_SEL[2]
WFM_SEL[1]
WFM_SEL[0]
ENC_CTRL
IC3504
SN74AHCT08PWR
IC3505
SN74AHCT08PWR
Q3500
2SA1532-BCTX
Q3501
2SA1532-BCTX
Q3502
2SA1532-BCTX
Q3503
2SA1532-BCTX
Q3504
2SA1532-BCTX
C3512
47P/UV
C3513
47P/UV
C3517
22P/UV
C3518
22P/UV
C3520
47P/UV
C3521
47P/UV
C3522
22P/UV
C3523
22P/UV
R3503
22K/J3
R3504
22K/J3
R3506
47K/J3
R3507
47K/J3
R3508
2700/J3
R3509
2700/J3
R3514
22K/J3
R3515
22K/J3
R3518
47K/J3
R3519
47K/J3
R3520
2700/J3
R3521
2700/J3
R3523
1500/J3
R3524
1500/J3
R3525
1500/J3
Q3505
2SB709A-TX
Q3506
2SB709A-TX
Q3507
2SB709A-TX
R3550
47/J3
R3551
47/J3
R3552
47/J3
R3553
47/J3
R3554
47/J3
R3555
PAT/J3
R3522
47/J3
R3526
150/J3
R3527
47/J3
R3528
47/J3
C3527
0.1/UFV
C3528
0.1/UFV
C3529
0.1/UFV
C3530
0.1/UFV
C3531
0.1/UFV
C3526
0.1/UFV
C3524
0.1/UFV
C3525
0.1/UFV
C3502
0.1/UFV
C3503
0.1/UFV
C3506
0.1/UFV
C3507
0.1/UFV
C3510
6V47/EHB
C3511
6V47/EHB
CHR_DATA_H
CHR_GATE_H
R3502
820/J3
L3500
18U/LA
R3511
560/J3
C3514
39P/UV
C3516
7P/UV
R3513
470/J3
R3516
3300/J3
R3517
PAT/J3
C3515
47P/UV
R3505
22K/J3
C3519
22P/UV
R3510
47K/J3
R3512
1200/J3
Q3508
2SB709A-TX
Q3509
2SB709A-TX
Q3510
2SB709A-TX
R3529
1500/J3
R3530
1500/J3
R3531
1500/J3
R3532
47/J3
R3533
47/J3
R3534
47/J3
C3532
0.1/UFV
C3533
0.1/UFV
C3534
0.1/UFV
C3535
0.1/UFV
C3536
0.1/UFV
C3537
0.1/UFV
C3538
180P/UV
C3539
180P/UV
C3540
180P/UV
D3500
MA3068-MTX
D3501
MA3068-MTX
D3502
MA3068-MTX
R3535
2200/J3
R3536
2200/J3
R3537
2200/J3
R3538
120/J6
R3539
120/J6
R3540
120/J6
R3541
120/J6
R3542
120/J6
R3543
120/J6
Q3511
2SD601A-TX
Q3512
2SD601A-TX
Q3513
2SD601A-TX
Q3514
2SD601A-TX
Q3515
2SD601A-TX
Q3516
2SD601A-TX
R3544
2200/J3
R3545
75/RE
R3546
2200/J3
R3547
75/RE
R3548
2200/J3
R3549
75/RE
C3541
27P/UV
C3542
27P/UV
C3543
27P/UV
VIDEO_OUT1
VIDEO_OUT1_G
VIDEO_OUT2
VIDEO_OUT2_G
VIDEO_OUT3
VIDEO_OUT3_G
A
B
C
D
E
F
G
H
I
J
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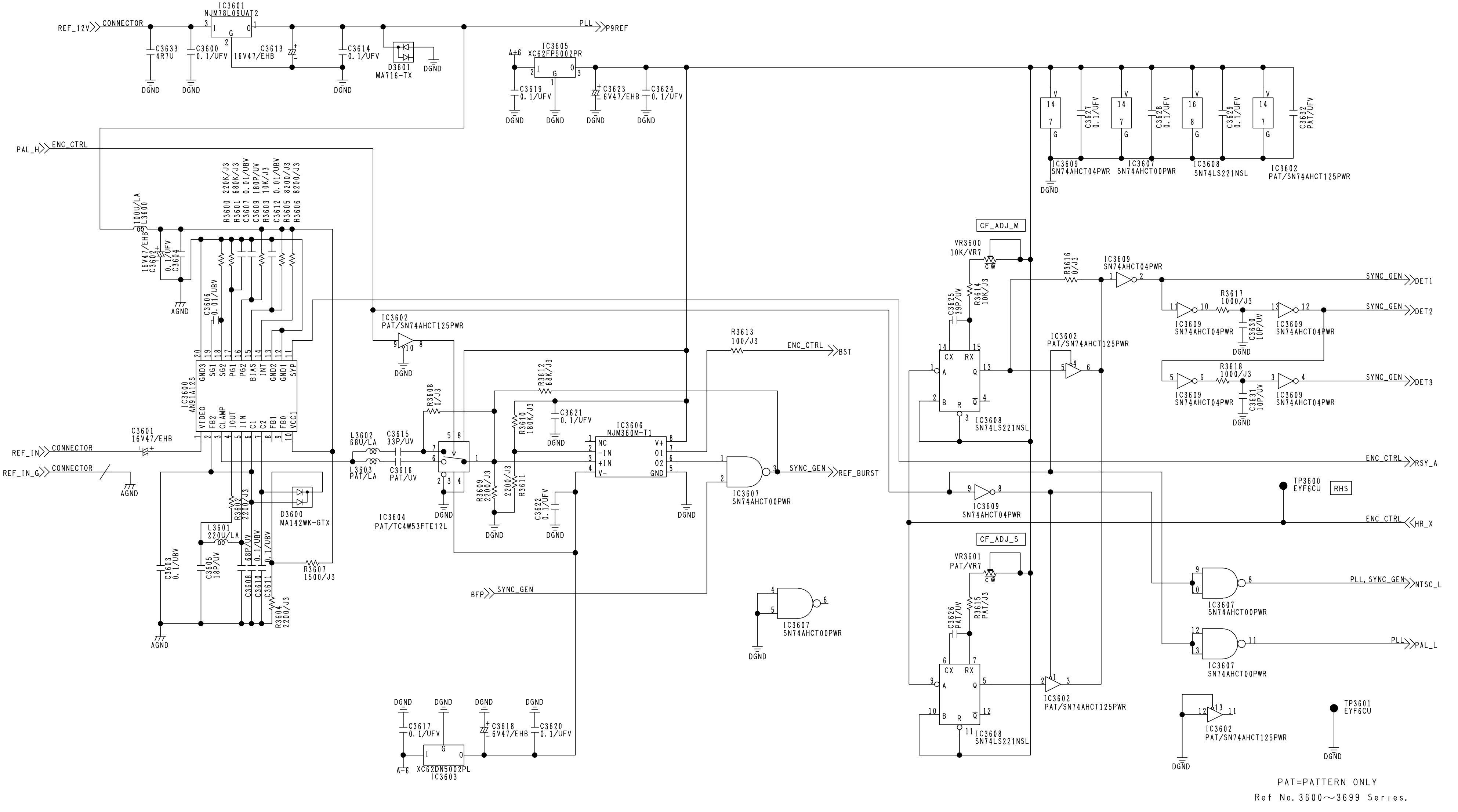
PAT=PATTERN ONLY
Ref No.3500～3599 Series.

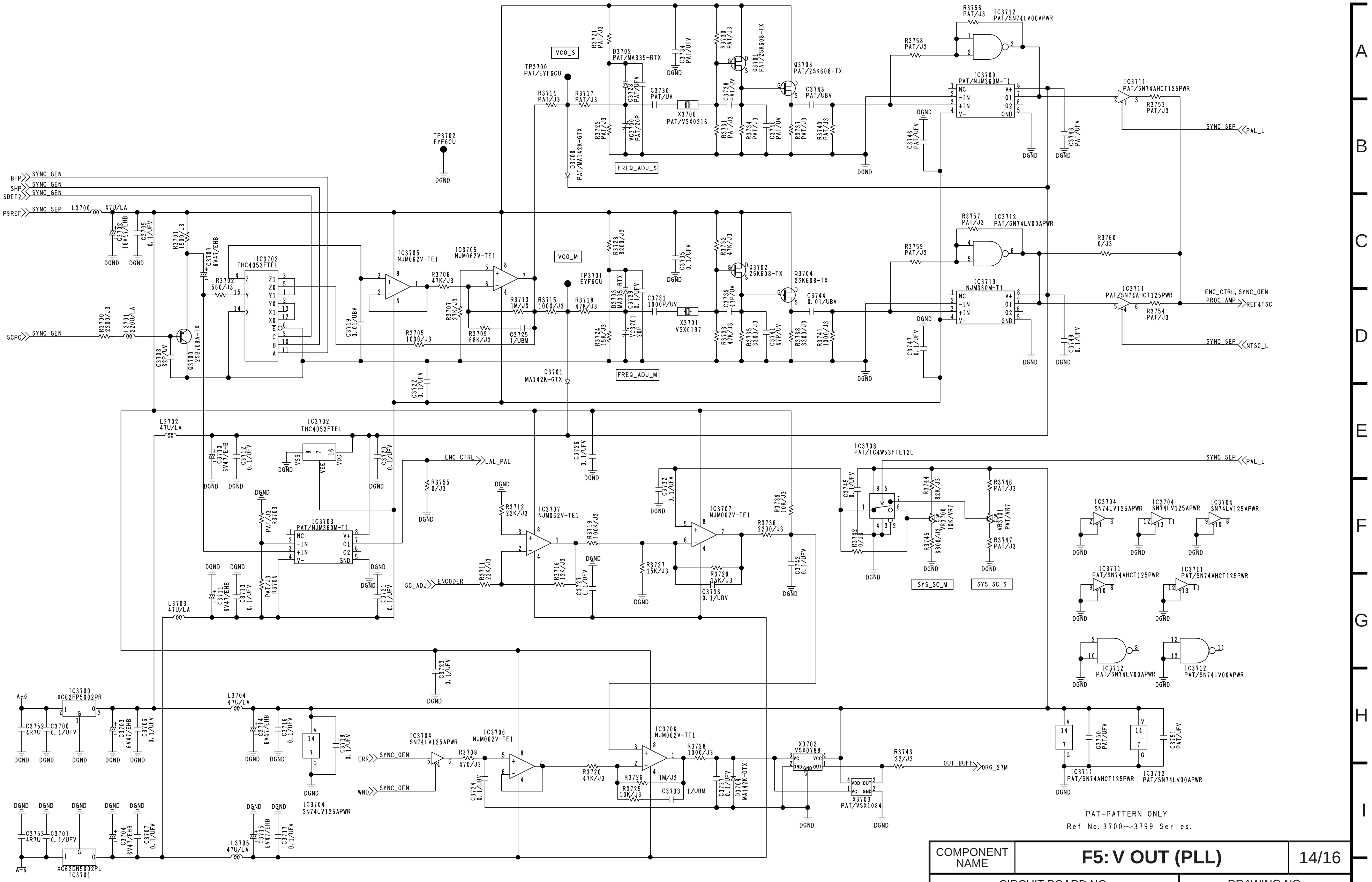
COMPONENT NAME	F5: V OUT (COMPOSITE_BUFF)	12/16
CIRCUIT BOARD NO.	DRAWING NO.	
VEP83597B/C	KR30470 (12/16) (0)	
	SCM078	


REF_12V CONNECTOR
IC3601 NJM78L09UAT2
C3633 4R7U
C3600 0.1/UFV
C3613 16V47/EHB
C3614 0.1/UFV
D3601 MA716-TX
PLL P9REF
DGND
A+6
IC3605 XC62FP5002PR
C3619 0.1/UFV
C3623 6V47/EHB
C3624 0.1/UFV
PAL_H ENC_CTRL
L3600 100U/LA
C3602 16V47/EHB
C3604 0.1/UFV
C3606 0.01/UBV
AGND
R3600 220K/J3
R3601 680K/J3
C3607 0.01/UBV
C3609 180P/UV
R3603 10K/J3
C3612 0.01/UBV
R3605 8200/J3
R3606 8200/J3
IC3600 AN91A125
GND3 SG1 SG2 PG1 PG2 BIAS INT GND2 GND1 SYP
VIDEO FB2 CLAMP IOUT IIN C1 C2 FB1 FBO VCC1
REF_IN CONNECTOR
C3601 16V47/EHB
REF_IN_G CONNECTOR
R3602 2200/J3
L3601 220U/LA
D3600 MA142WK-GTX
C3603 0.1/UBV
C3605 18P/UV
C3608 68P/UV
C3610 0.1/UBV
C3611 0.1/UBV
R3607 1500/J3
R3604 2200/J3
IC3602 PAT/SN74AHCT125PWR
L3602 68U/LA
C3615 33P/UV
L3603 PAT/LA
C3616 PAT/UV
R3608 0/J3
IC3604 PAT/TC4W53FTE12L
R3609 2200/J3
R3611 2200/J3
R3610 180K/J3
R3612 68K/J3
C3621 0.1/UFV
C3622 0.1/UFV
IC3606 NJM360M-T1
NC -IN +IN V- V+ O1 O2 GND
R3613 100/J3
ENC_CTRL BST
IC3607 SN74AHCT00PWR
SYNC_GEN REF_BURST
BFP SYNC_GEN
DGND
C3617 0.1/UFV
C3618 6V47/EHB
C3620 0.1/UFV
A-6
XC62DN5002PL IC3603
C3627 0.1/UFV
C3628 0.1/UFV
C3629 0.1/UFV
C3632 PAT/UFV
IC3609 SN74AHCT04PWR
IC3607 SN74AHCT00PWR
IC3608 SN74LS221NSL
IC3602 PAT/SN74AHCT125PWR
CF_ADJ_M
VR3600 10K/VR7
CW
C3625 39P/UV
R3614 10K/J3
R3616 0/J3
SYNC_GEN DET1
R3617 1000/J3
C3630 10P/UV
SYNC_GEN DET2
R3618 1000/J3
C3631 10P/UV
SYNC_GEN DET3
CX RX A Q B R
ENC_CTRL RSY_A
TP3600 EYF6CU
RHS
ENC_CTRL HR_X
CF_ADJ_S
VR3601 PAT/VR7
C3626 PAT/UV
R3615 PAT/J3
PLL,SYNC_GEN NTSC_L
PLL PAL_L
TP3601 EYF6CU
A B C D E F G H I J
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

PAT=PATTERN ONLY

Ref No.3600〜3699 Series.

COMPONENT NAME	F5: V OUT (SYNC_SEP)	13/16
CIRCUIT BOARD NO.	DRAWING NO.	
VEP83597B/C	KR30470 (13/16) (0)	
	SCM079	


VCO_S
VCO_M
TP3700 PAT/EYF6CU
TP3701 EYF6CU
TP3702 EYF6CU
FREQ_ADJ_S
FREQ_ADJ_M
BFP SYNC_GEN
SHP SYNC_GEN
SDET2 SYNC_GEN
P9REF SYNC_SEP
SCPC SYNC_GEN
L3700 47U/LA
IC3702 THC4053FTEL
IC3703 PAT/NJM360M-T1
IC3705 NJM062V-TE1
IC3706 NJM062V-TE1
IC3707 NJM062V-TE1
IC3708 PAT/TC4W53FTE12L
IC3709 PAT/NJM360M-T1
IC3710 NJM360M-T1
IC3711 PAT/SN74AHCT125PWR
IC3712 PAT/SN74LV00APWR
IC3704 SN74LV125APWR
IC3700 XC62FP5002PR
IC3701 XC62DN5002PL
Q3700 2SB709A-TX
Q3701 PAT/2SK608-TX
Q3702 2SK608-TX
Q3703 PAT/2SK608-TX
Q3704 2SK608-TX
D3700 PAT/MA142K-GTX
D3701 MA142K-GTX
D3702 PAT/MA335-RTX
D3703 MA335-RTX
D3704 MA142K-GTX
X3700 PAT/VSX0316
X3701 VSX0197
X3702 VSX0788
X3703 PAT/VSX1084
VC3700 PAT/20P
VC3701 20P
VR3700 10K/VR7
VR3701 PAT/VR7
ENC_CTRL
LAL_PAL
SC_ADJ ENCODER
SYNC_SEP PAL_L
SYNC_SEP NTSC_L
ENC_CTRL, SYNC_GEN PROC_AMP REF4FSC
SYNC_SEP PAL_L
SYS_SC_M
SYS_SC_S
ERR SYNC_GEN
WND SYNC_GEN
OUT_BUFF ORG_27M
A+6
A-6
DGND
PAT=PATTERN ONLY
Ref No. 3700～3799 Series.
A
B
C
D
E
F
G
H
I
J
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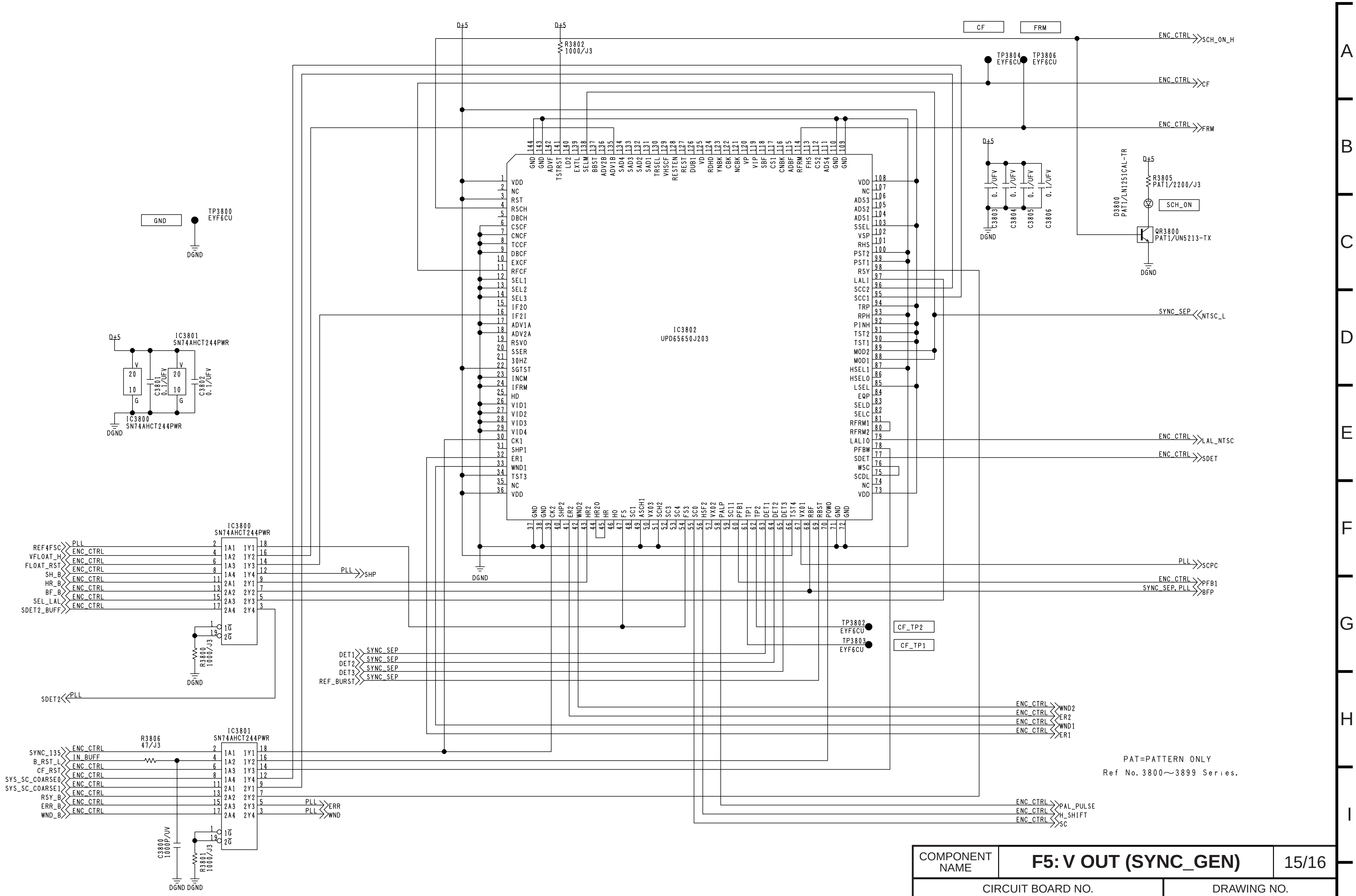
COMPONENT NAME	F5: V OUT (PLL)	14/16

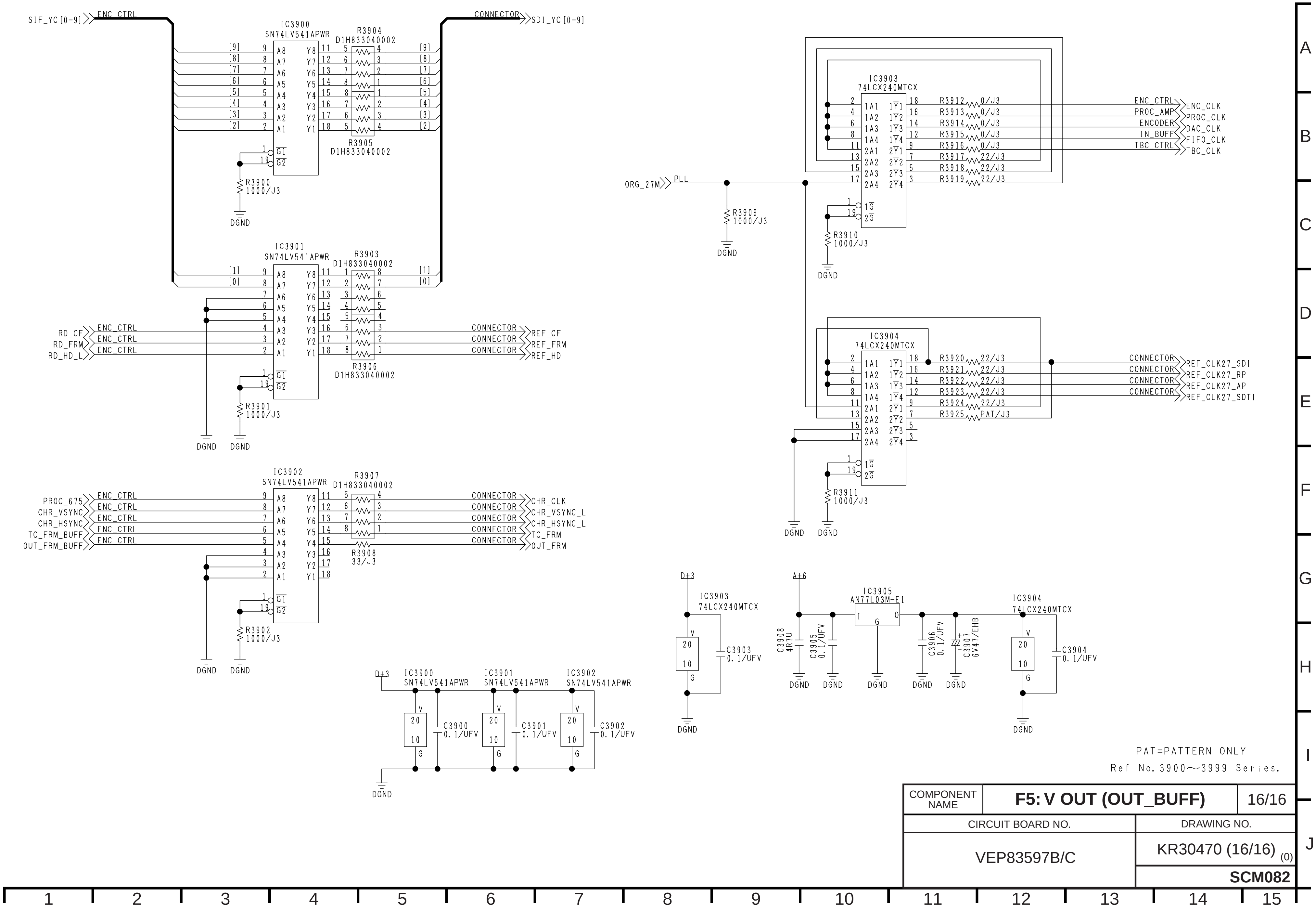
CIRCUIT BOARD NO.	DRAWING NO.
VEP83597B/C	KR30470 (14/16) (0)
	SCM080


IC3802
UPD65650J203
IC3800
SN74AHCT244PWR
IC3801
SN74AHCT244PWR
TP3800
EYF6CU
TP3802
TP3803
TP3804
TP3806
R3800
1000/J3
R3801
1000/J3
R3802
1000/J3
R3805
PAT1/2200/J3
R3806
47/J3
C3800
1000P/UV
C3801
C3802
C3803
C3804
C3805
C3806
0.1/UFV
D3800
PAT1/LN1251CAL-TR
QR3800
PAT1/UN5213-TX
D+5
DGND
GND
CF
FRM
SCH_ON
CF_TP2
CF_TP1
SCH_ON_H
NTSC_L
LAL_NTSC
SDET
SCPC
PFB1
BFP
WND2
ER2
WND1
ER1
PAL_PULSE
H_SHIFT
SC
SHP
ERR
WND
SDET2
DET1
DET2
DET3
REF_BURST
REF4FSC
VFLOAT_H
FLOAT_RST
SH_B
HR_B
BF_B
SEL_LAL
SDET2_BUFF
SYNC_135
B_RST_L
CF_RST
SYS_SC_COARSE0
SYS_SC_COARSE1
RSY_B
ERR_B
WND_B
ENC_CTRL
SYNC_SEP
PLL
IN_BUFF
SYNC_SEP, PLL

PAT=PATTERN ONLY

Ref No. 3800～3899 Series.

COMPONENT NAME	F5: V OUT (SYNC_GEN)	15/16
CIRCUIT BOARD NO.	DRAWING NO.	
VEP83597B/C	KR30470 (15/16) (0)	
	SCM081	


SIF_YC[0-9]
ENC_CTRL
CONNECTOR
SDI_YC[0-9]
IC3900
SN74LV541APWR
R3904
D1H833040002
R3905
D1H833040002
R3900
1000/J3
DGND
IC3901
SN74LV541APWR
R3903
D1H833040002
R3906
D1H833040002
R3901
1000/J3
RD_CF
RD_FRM
RD_HD_L
REF_CF
REF_FRM
REF_HD
IC3902
SN74LV541APWR
R3907
D1H833040002
R3908
33/J3
R3902
1000/J3
PROC_675
CHR_VSYNC
CHR_HSYNC
TC_FRM_BUFF
OUT_FRM_BUFF
CHR_CLK
CHR_VSYNC_L
CHR_HSYNC_L
TC_FRM
OUT_FRM
IC3903
74LCX240MTCX
R3912 0/J3
R3913 0/J3
R3914 0/J3
R3915 0/J3
R3916 0/J3
R3917 22/J3
R3918 22/J3
R3919 22/J3
ENC_CTRL
PROC_AMP
ENCODER
IN_BUFF
TBC_CTRL
ENC_CLK
PROC_CLK
DAC_CLK
FIFO_CLK
TBC_CLK
ORG_27M
PLL
R3909
1000/J3
R3910
1000/J3
IC3904
74LCX240MTCX
R3920 22/J3
R3921 22/J3
R3922 22/J3
R3923 22/J3
R3924 22/J3
R3925 PAT/J3
REF_CLK27_SDI
REF_CLK27_RP
REF_CLK27_AP
REF_CLK27_SDTI
R3911
1000/J3
D+3
A+6
IC3905
AN77L03M-E1
C3908
4R7U
C3905
0.1/UFV
C3906
0.1/UFV
C3907
6V47/EHB
C3903
0.1/UFV
C3904
0.1/UFV
C3900
0.1/UFV
C3901
0.1/UFV
C3902
0.1/UFV
A
B
C
D
E
F
G
H
I
J
1
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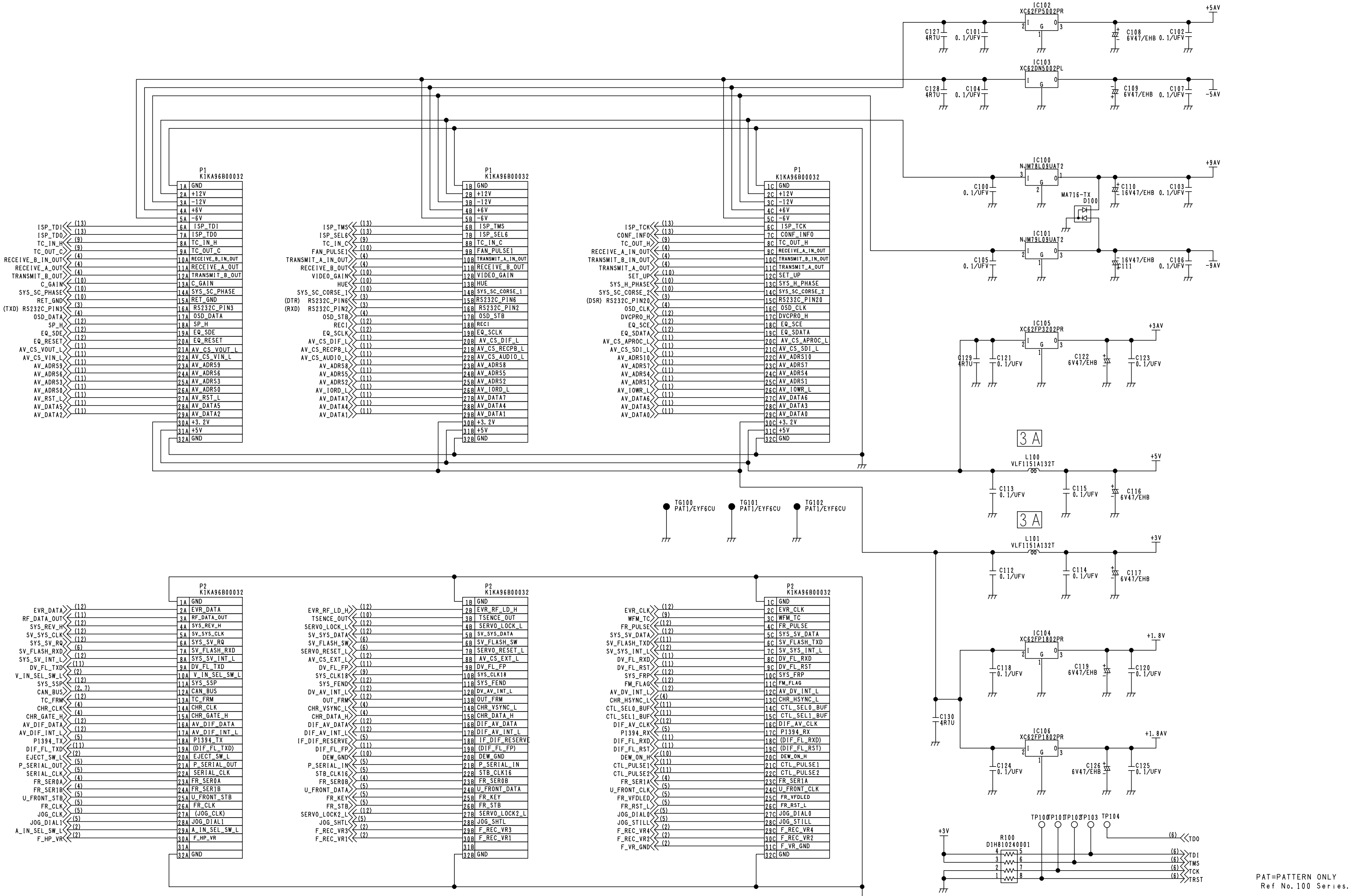
PAT=PATTERN ONLY

Ref No. 3900～3999 Series.

COMPONENT NAME	F5: V OUT (OUT_BUFF)	16/16
CIRCUIT BOARD NO.	DRAWING NO.	
VEP83597B/C	KR30470 (16/16) (0)	
	SCM082	


IC102 XC62FP5002PR
IC103 XC62DN5002PL
IC100 NJM78L09UAT2
IC101 NJM79L09UAT2
IC105 XC62FP3202PR
IC104 XC62FP1802PR
IC106 XC62FP1802PR
MA716-TX D100
+5AV
-5AV
+9AV
-9AV
+3AV
+5V
+3V
+1.8V
+1.8AV
C127 4R7U
C101 0.1/UFV
C108 6V47/EHB
C102 0.1/UFV
C128 4R7U
C104 0.1/UFV
C109 6V47/EHB
C107 0.1/UFV
C100 0.1/UFV
C110 16V47/EHB
C103 0.1/UFV
C105 0.1/UFV
C111 16V47/EHB
C106 0.1/UFV
C129 4R7U
C121 0.1/UFV
C122 6V47/EHB
C123 0.1/UFV
3A
L100 VLF1151A132T
C113 0.1/UFV
C115 0.1/UFV
C116 6V47/EHB
L101 VLF1151A132T
C112 0.1/UFV
C114 0.1/UFV
C117 6V47/EHB
C118 0.1/UFV
C119 6V47/EHB
C120 0.1/UFV
C130 4R7U
C124 0.1/UFV
C126 6V47/EHB
C125 0.1/UFV
TG100 PAT1/EYF6CU
TG101 PAT1/EYF6CU
TG102 PAT1/EYF6CU
P1 K1KA96B00032
P2 K1KA96B00032
TP100 TP101 TP102 TP103 TP104
R100 D1H810240001
TDO
TDI
TMS
TCK
TRST
PAT=PATTERN ONLY
Ref No.100 Series.
ISP_TDI
ISP_TDO
TC_IN_H
TC_OUT_C
RECEIVE_B_IN_OUT
RECEIVE_A_OUT
TRANSMIT_B_OUT
C_GAIN
SYS_SC_PHASE
RET_GND
(TXD) RS232C_PIN3
OSD_DATA
SP_H
EQ_SDE
EQ_RESET
AV_CS_VOUT_L
AV_CS_VIN_L
AV_ADRS9
AV_ADRS6
AV_ADRS3
AV_ADRS0
AV_RST_L
AV_DATA5
AV_DATA2
ISP_TMS
ISP_SEL6
TC_IN_C
FAN_PULSE1
TRANSMIT_A_IN_OUT
RECEIVE_B_OUT
VIDEO_GAIN
HUE
SYS_SC_CORSE_1
(DTR) RS232C_PIN6
(RXD) RS232C_PIN2
OSD_STB
REC1
EQ_SCLK
AV_CS_DIF_L
AV_CS_RECPB_L
AV_CS_AUDIO_L
AV_ADRS8
AV_ADRS5
AV_ADRS2
AV_IORD_L
AV_DATA7
AV_DATA4
AV_DATA1
ISP_TCK
CONF_INFO
TC_OUT_H
RECEIVE_A_IN_OUT
TRANSMIT_B_IN_OUT
TRANSMIT_A_OUT
SET_UP
SYS_H_PHASE
SYS_SC_CORSE_2
(DSR) RS232C_PIN20
OSD_CLK
DVCPRO_H
EQ_SCE
EQ_SDATA
AV_CS_APROC_L
AV_CS_SDI_L
AV_ADRS10
AV_ADRS7
AV_ADRS4
AV_ADRS1
AV_IOWR_L
AV_DATA6
AV_DATA3
AV_DATA0
GND
+12V
-12V
+6V
-6V
+3.2V
+5V
EVR_DATA
RF_DATA_OUT
SYS_REV_H
SV_SYS_CLK
SYS_SV_RQ
SV_FLASH_RXD
SYS_SV_INT_L
DV_FL_TXD
V_IN_SEL_SW_L
SYS_SSP
CAN_BUS
TC_FRM
CHR_CLK
CHR_GATE_H
AV_DIF_DATA
AV_DIF_INT_L
P1394_TX
DIF_FL_TXD
EJECT_SW_L
P_SERIAL_OUT
SERIAL_CLK
FR_SER0A
FR_SER1B
U_FRONT_STB
FR_CLK
JOG_CLK
JOG_DIAL1
A_IN_SEL_SW_L
F_HP_VR
EVR_RF_LD_H
TSENCE_OUT
SERVO_LOCK_L
SV_SYS_DATA
SV_FLASH_SW
SERVO_RESET_L
AV_CS_EXT_L
DV_FL_FP
SYS_CLK18
SYS_FEND
DV_AV_INT_L
OUT_FRM
CHR_VSYNC_L
CHR_DATA_H
DIF_AV_DATA
DIF_AV_INT_L
IF_DIF_RESERVE
DIF_FL_FP
DEW_GND
P_SERIAL_IN
STB_CLK16
FR_SER0B
U_FRONT_DATA
FR_KEY
FR_STB
SERVO_LOCK2_L
JOG_SHTL
F_REC_VR3
F_REC_VR1
EVR_CLK
WFM_TC
FR_PULSE
SYS_SV_DATA
SV_FLASH_TXD
SV_SYS_INT_L
DV_FL_RXD
DV_FL_RST
SYS_FRP
FM_FLAG
AV_DV_INT_L
CHR_HSYNC_L
CTL_SEL0_BUF
CTL_SEL1_BUF
DIF_AV_CLK
P1394_RX
DIF_FL_RXD
DIF_FL_RST
DEW_ON_H
CTL_PULSE1
CTL_PULSE2
FR_SER1A
U_FRONT_CLK
FR_VFDLED
FR_RST_L
JOG_DIAL0
JOG_STILL
F_REC_VR4
F_REC_VR2
F_VR_GND
A
B
C
D
E
F
G
H
I
J
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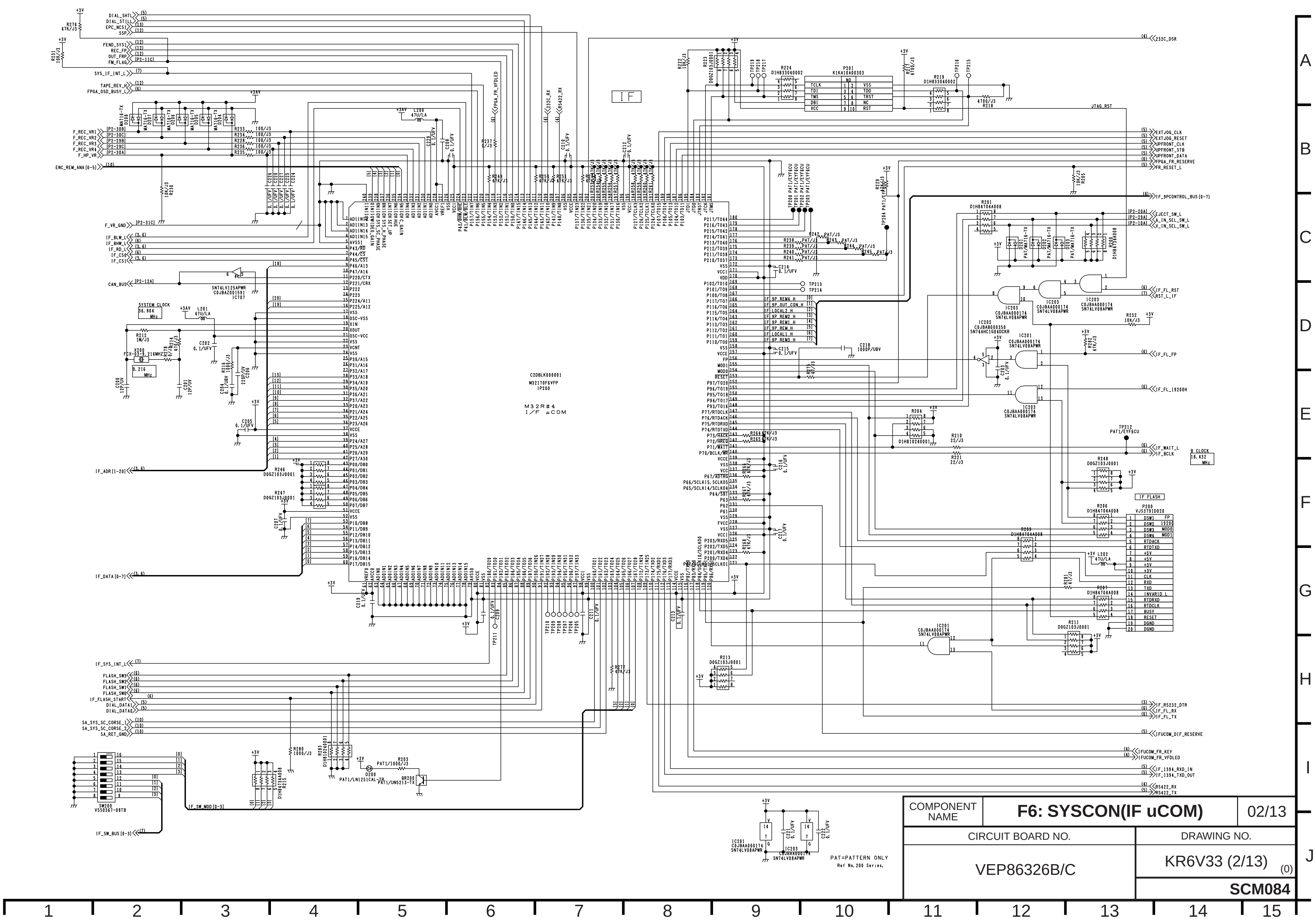
COMPONENT NAME	F6: SYSCON	01/13
CIRCUIT BOARD NO.	DRAWING NO.	
VEP86326B/C	KR6V33 (1/13) (0)	
	SCM083	


IF
IC200
C2DBLK000001
M32170F6VFP
M32R#4
I/F µCOM
SYSTEM CLOCK
36.864 MHz
8 CLOCK
18.432 MHz
IF FLASH
P200
VJS3791D020
P201
K1KA10A00303
SW200
VS50367-08TB
IC201
IC202
IC203
IC707
PAT=PATTERN ONLY
Ref No. 200 Series.
A
B
C
D
E
F
G
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I
J
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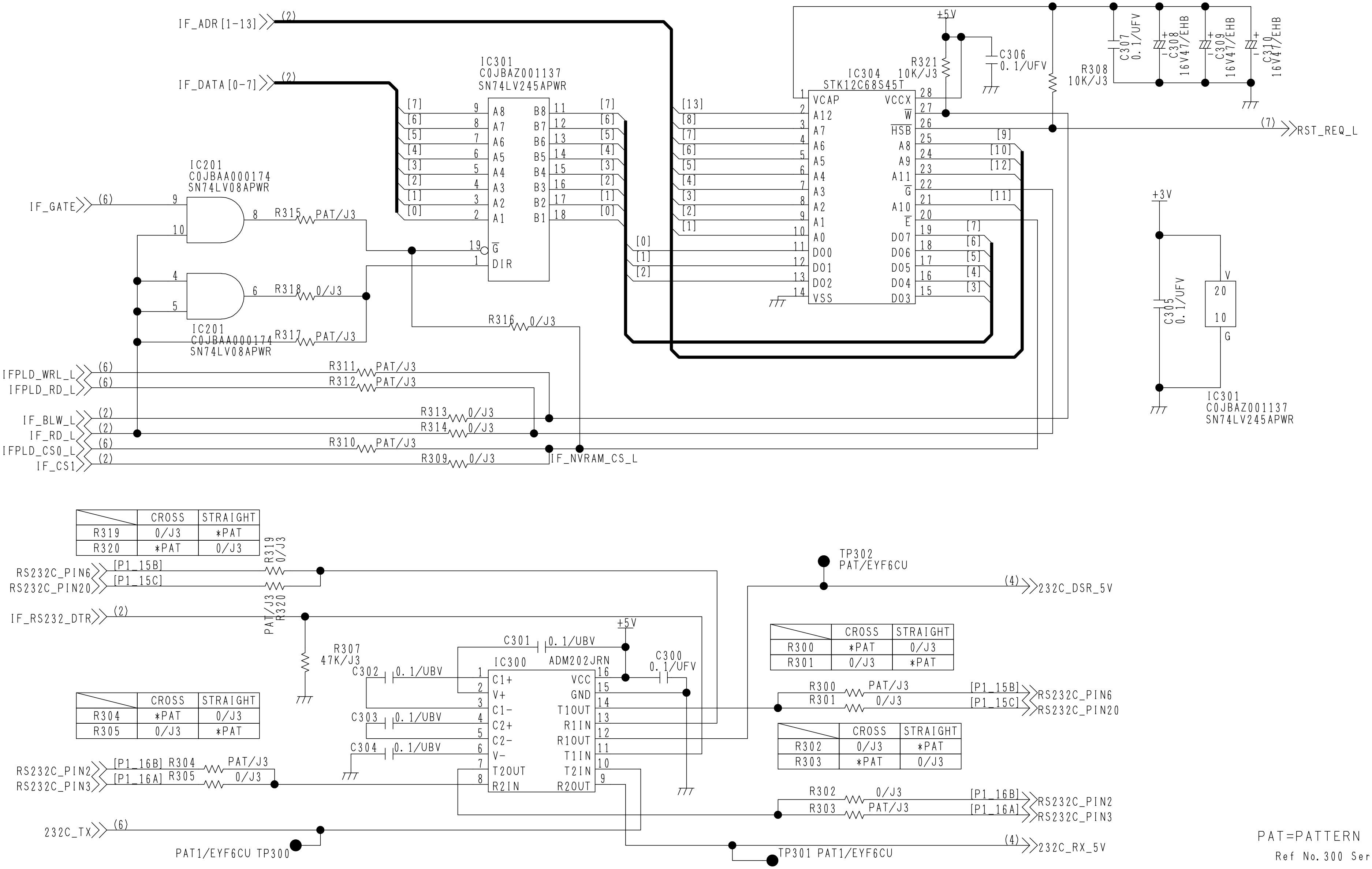
COMPONENT NAME	F6: SYSCON(IF uCOM)	02/13

CIRCUIT BOARD NO.	DRAWING NO.
VEP86326B/C	KR6V33 (2/13) (0)
	SCM084


IF_ADR[1-13]
IF_DATA[0-7]
IC301
C0JBAZ001137
SN74LV245APWR
IC201
C0JBAA000174
SN74LV08APWR
IF_GATE
R315 PAT/J3
R318 0/J3
R317 PAT/J3
R316 0/J3
IFPLD_WRL_L
IFPLD_RD_L
IF_BLW_L
IF_RD_L
IFPLD_CS0_L
IF_CS1
R311 PAT/J3
R312 PAT/J3
R313 0/J3
R314 0/J3
R310 PAT/J3
R309 0/J3
IF_NVRAM_CS_L
IC304
STK12C68S45T
VCAP
VCCX
VSS
HSB
+5V
R321 10K/J3
C306 0.1/UFV
R308 10K/J3
C307 0.1/UFV
C308 16V47/EHB
C309 16V47/EHB
C310 16V47/EHB
RST_REQ_L
+3V
C305 0.1/UFV
IC301
C0JBAZ001137
SN74LV245APWR
RS232C_PIN6
RS232C_PIN20
[P1_15B]
[P1_15C]
R319 0/J3
R320 PAT/J3
IF_RS232_DTR
R307 47K/J3
TP302 PAT/EYF6CU
232C_DSR_5V
IC300
ADM202JRN
C301 0.1/UBV
C300 0.1/UFV
C302 0.1/UBV
C303 0.1/UBV
C304 0.1/UBV
C1+
V+
C1-
C2+
C2-
V-
T2OUT
R2IN
VCC
GND
T1OUT
R1IN
R1OUT
T1IN
T2IN
R2OUT
R300 PAT/J3
R301 0/J3
RS232C_PIN2
RS232C_PIN3
[P1_16B]
[P1_16A]
R304 PAT/J3
R305 0/J3
R302 0/J3
R303 PAT/J3
232C_TX
PAT1/EYF6CU TP300
TP301 PAT1/EYF6CU
232C_RX_5V

	CROSS	STRAIGHT
R319	0/J3	*PAT
R320	*PAT	0/J3

	CROSS	STRAIGHT
R300	*PAT	0/J3
R301	0/J3	*PAT

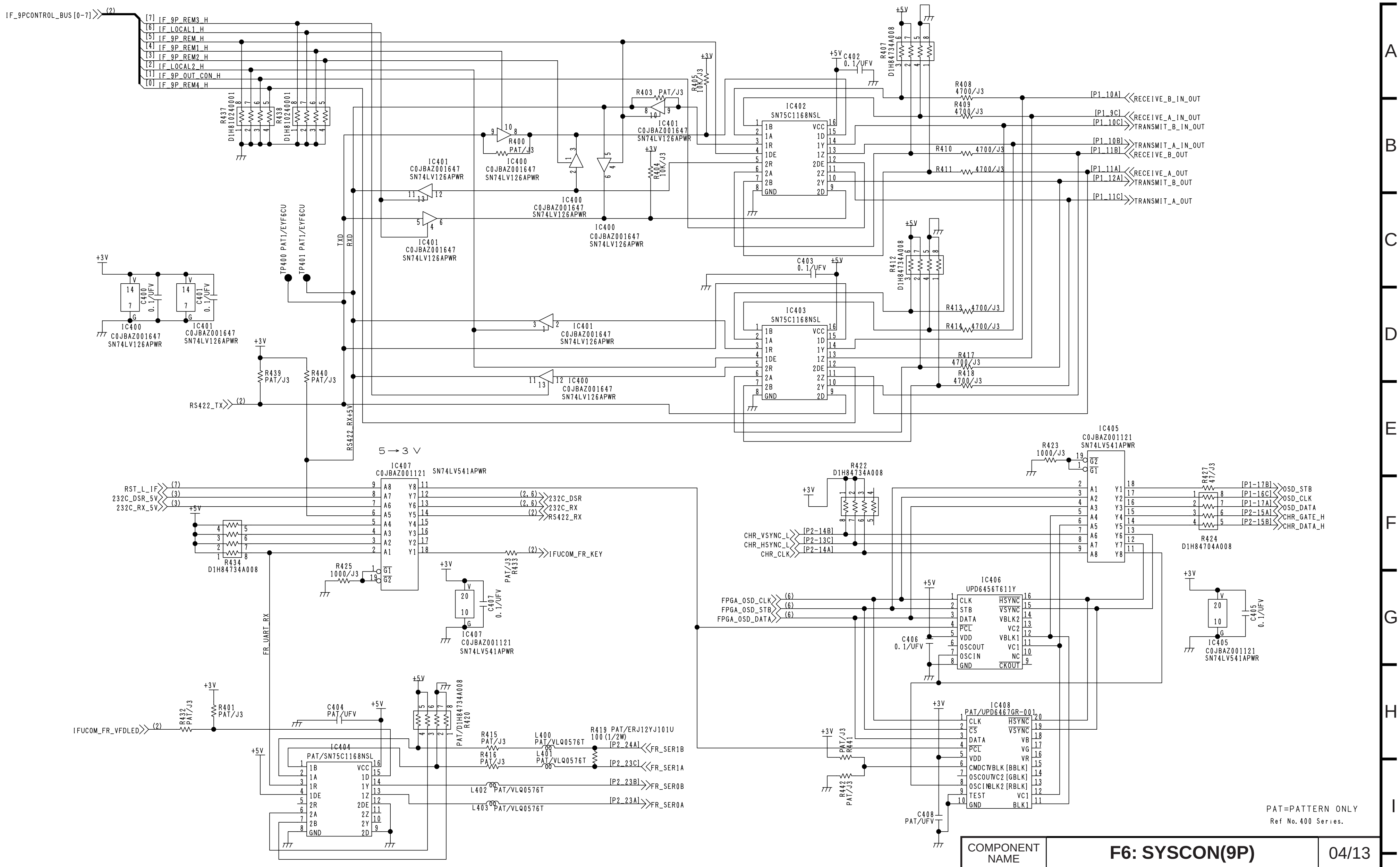
	CROSS	STRAIGHT
R302	0/J3	*PAT
R303	*PAT	0/J3

	CROSS	STRAIGHT
R304	*PAT	0/J3
R305	0/J3	*PAT

PAT=PATTERN ONLY

Ref No.300 Series.

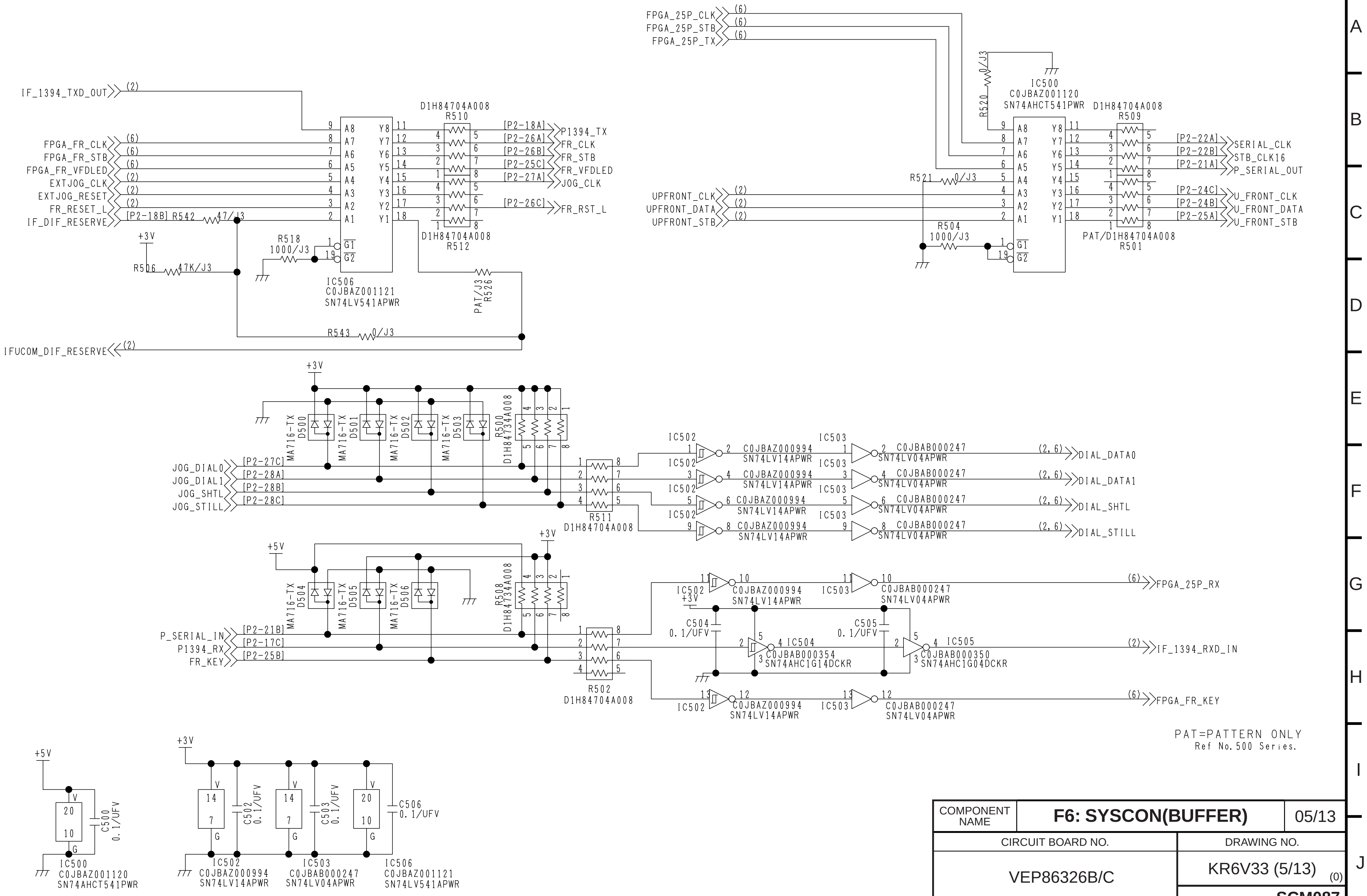
COMPONENT NAME	F6: SYSCON(NVRAM/232C)	03/13
CIRCUIT BOARD NO.	DRAWING NO.	
VEP86326B/C	KR6V33 (3/13) (0)	
	SCM085	


IF_9PCONTROL_BUS[0-7]
[7] IF_9P_REM3_H
[6] IF_LOCAL1_H
[5] IF_9P_REM_H
[4] IF_9P_REM1_H
[3] IF_9P_REM2_H
[2] IF_LOCAL2_H
[1] IF_9P_OUT_CON_H
[0] IF_9P_REM4_H
R437 D1H810240001
R438 D1H810240001
IC401 C0JBAZ001647 SN74LV126APWR
IC400 C0JBAZ001647 SN74LV126APWR
R400 PAT/J3
R403 PAT/J3
R404 10K/J3
R405 10K/J3
R407 D1H84734A008
C402 0.1/UFV
C403 0.1/UFV
IC402 SN75C1168NSL
IC403 SN75C1168NSL
R408 4700/J3
R409 4700/J3
R410 4700/J3
R411 4700/J3
R412 D1H84734A008
R413 4700/J3
R414 4700/J3
R417 4700/J3
R418 4700/J3
[P1_10A] RECEIVE_B_IN_OUT
[P1_9C] RECEIVE_A_IN_OUT
[P1_10C] TRANSMIT_B_IN_OUT
[P1_10B] TRANSMIT_A_IN_OUT
[P1_11B] RECEIVE_B_OUT
[P1_11A] RECEIVE_A_OUT
[P1_12A] TRANSMIT_B_OUT
[P1_11C] TRANSMIT_A_OUT
TP400 PAT1/EYF6CU
TP401 PAT1/EYF6CU
TXD
RXD
C400 0.1/UFV
C401 0.1/UFV
R439 PAT/J3
R440 PAT/J3
RS422_TX
RS422_RX+5V
5→3V
IC407 C0JBAZ001121 SN74LV541APWR
RST_L_IF
232C_DSR_5V
232C_RX_5V
232C_DSR
232C_RX
RS422_RX
R434 D1H84734A008
R425 1000/J3
R433 PAT/J3
IFUCOM_FR_KEY
C407 0.1/UFV
FR_UART_RX
IFUCOM_FR_VFDLED
R432 PAT/J3
R401 PAT/J3
C404 PAT/UFV
IC404 PAT/SN75C1168NSL
R420 PAT/D1H84734A008
R415 PAT/J3
R416 PAT/J3
L400 PAT/VLQ0576T
L401 PAT/VLQ0576T
L402 PAT/VLQ0576T
L403 PAT/VLQ0576T
R419 PAT/ERJ12YJ101U 100(1/2W)
[P2_24A] FR_SER1B
[P2_23C] FR_SER1A
[P2_23B] FR_SER0B
[P2_23A] FR_SER0A
IC405 C0JBAZ001121 SN74LV541APWR
R423 1000/J3
R422 D1H84734A008
R427 47/J3
R424 D1H84704A008
[P1-17B] OSD_STB
[P1-16C] OSD_CLK
[P1-17A] OSD_DATA
[P2-15A] CHR_GATE_H
[P2-15B] CHR_DATA_H
CHR_VSYNC_L [P2-14B]
CHR_HSYNC_L [P2-13C]
CHR_CLK [P2-14A]
IC406 UPD6456T611Y
FPGA_OSD_CLK
FPGA_OSD_STB
FPGA_OSD_DATA
C406 0.1/UFV
C405 0.1/UFV
IC408 PAT/UPD6467GR-001
R441 PAT/J3
R442 PAT/J3
C408 PAT/UFV
+5V
+3V

PAT=PATTERN ONLY
Ref No. 400 Series.

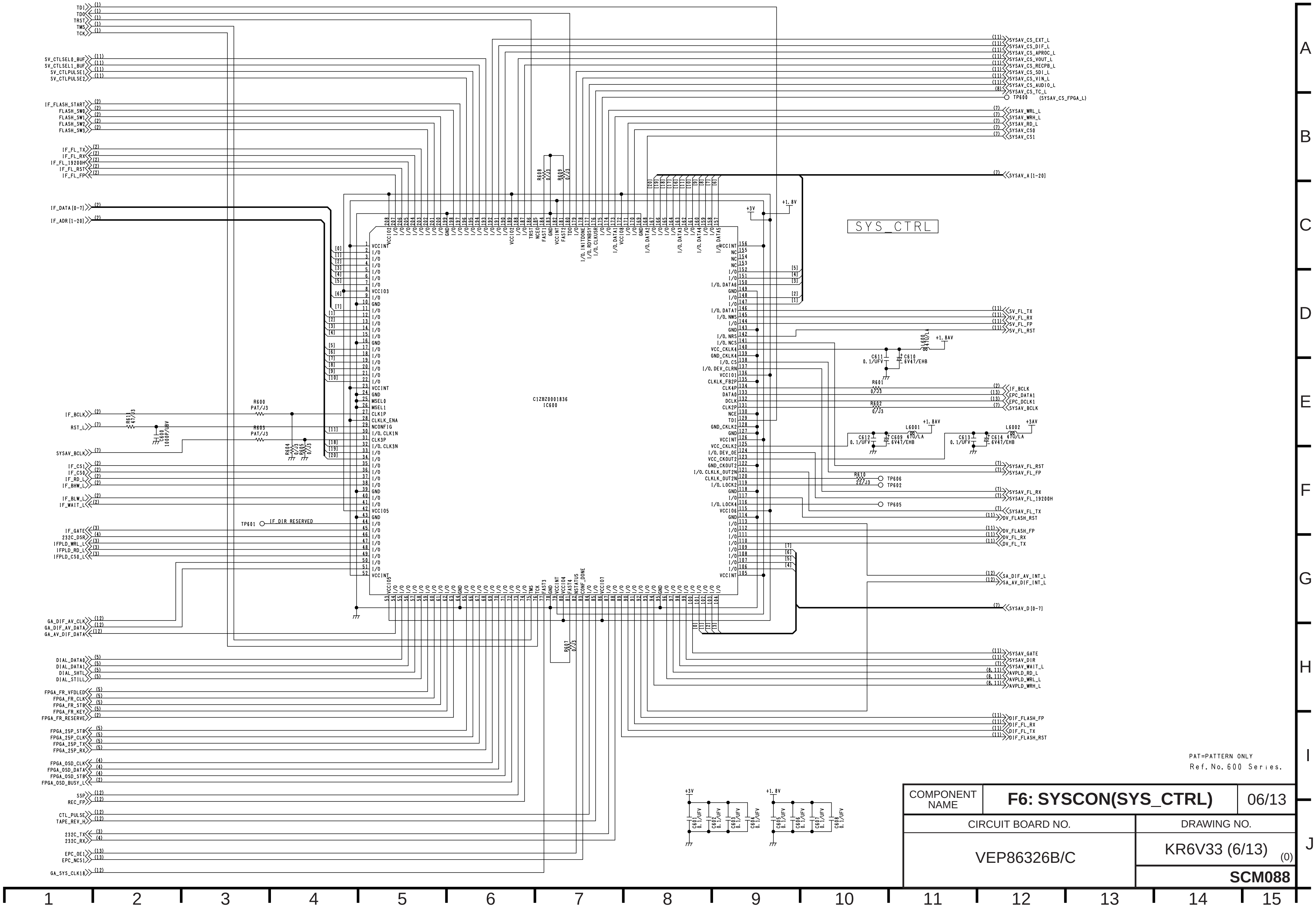
COMPONENT NAME	F6: SYSCON(9P)	04/13

CIRCUIT BOARD NO.	DRAWING NO.
VEP86326B/C	KR6V33 (4/13) (0)
	SCM086


IF_1394_TXD_OUT (2)
FPGA_FR_CLK (6)
FPGA_FR_STB (6)
FPGA_FR_VFDLED (6)
EXTJOG_CLK (2)
EXTJOG_RESET (2)
FR_RESET_L (2)
IF_DIF_RESERVE [P2-18B] R542 47/J3
+3V
R506 47K/J3
R518 1000/J3
IC506
C0JBAZ001121
SN74LV541APWR
D1H84704A008
R510
[P2-18A] P1394_TX
[P2-26A] FR_CLK
[P2-26B] FR_STB
[P2-25C] FR_VFDLED
[P2-27A] JOG_CLK
[P2-26C] FR_RST_L
D1H84704A008
R512
PAT/J3
R526
R543 0/J3
IFUCOM_DIF_RESERVE (2)
FPGA_25P_CLK (6)
FPGA_25P_STB (6)
FPGA_25P_TX (6)
R520 0/J3
IC500
C0JBAZ001120
SN74AHCT541PWR
D1H84704A008
R509
[P2-22A] SERIAL_CLK
[P2-22B] STB_CLK16
[P2-21A] P_SERIAL_OUT
R521 0/J3
UPFRONT_CLK (2)
UPFRONT_DATA (2)
UPFRONT_STB (2)
R504 1000/J3
[P2-24C] U_FRONT_CLK
[P2-24B] U_FRONT_DATA
[P2-25A] U_FRONT_STB
PAT/D1H84704A008
R501
+3V
MA716-TX D500
MA716-TX D501
MA716-TX D502
MA716-TX D503
R500 D1H84734A008
JOG_DIAL0 [P2-27C]
JOG_DIAL1 [P2-28A]
JOG_SHTL [P2-28B]
JOG_STILL [P2-28C]
R511
D1H84704A008
IC502 C0JBAZ000994 SN74LV14APWR
IC503 C0JBAB000247 SN74LV04APWR
(2, 6) DIAL_DATA0
(2, 6) DIAL_DATA1
(2, 6) DIAL_SHTL
(2, 6) DIAL_STILL
+5V
+3V
MA716-TX D504
MA716-TX D505
MA716-TX D506
R508 D1H84734A008
P_SERIAL_IN [P2-21B]
P1394_RX [P2-17C]
FR_KEY [P2-25B]
R502
D1H84704A008
(6) FPGA_25P_RX
C504 0.1/UFV
C505 0.1/UFV
IC504 C0JBAB000354 SN74AHC1G14DCKR
IC505 C0JBAB000350 SN74AHC1G04DCKR
(2) IF_1394_RXD_IN
(6) FPGA_FR_KEY
+5V
C500 0.1/UFV
IC500 C0JBAZ001120 SN74AHCT541PWR
+3V
C502 0.1/UFV
C503 0.1/UFV
C506 0.1/UFV
IC502 C0JBAZ000994 SN74LV14APWR
IC503 C0JBAB000247 SN74LV04APWR
IC506 C0JBAZ001121 SN74LV541APWR
A B C D E F G H I J
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

PAT=PATTERN ONLY
Ref No.500 Series.

COMPONENT NAME	F6: SYSCON(BUFFER)	05/13
CIRCUIT BOARD NO.	DRAWING NO.	
VEP86326B/C	KR6V33 (5/13) (0)	
	SCM087	


TDI
TDO
TRST
TMS
TCK
SV_CTLSEL0_BUF
SV_CTLSEL1_BUF
SV_CTLPULSE1
SV_CTLPULSE2
IF_FLASH_START
FLASH_SW0
FLASH_SW1
FLASH_SW2
FLASH_SW3
IF_FL_TX
IF_FL_RX
IF_FL_19200H
IF_FL_RST
IF_FL_FP
IF_DATA[0-7]
IF_ADR[1-20]
IF_BCLK
RST_L
SYSAV_BCLK
IF_CS1
IF_CS0
IF_RD_L
IF_BHW_L
IF_BLW_L
IF_WAIT_L
IF_GATE
232C_DSR
IFPLD_WRL_L
IFPLD_RD_L
IFPLD_CS0_L
TP601
IF_DIR_RESERVED
GA_DIF_AV_CLK
GA_DIF_AV_DATA
GA_AV_DIF_DATA
DIAL_DATA0
DIAL_DATA1
DIAL_SHTL
DIAL_STILL
FPGA_FR_VFDLED
FPGA_FR_CLK
FPGA_FR_STB
FPGA_FR_KEY
FPGA_FR_RESERVE
FPGA_25P_STB
FPGA_25P_CLK
FPGA_25P_TX
FPGA_25P_RX
FPGA_OSD_CLK
FPGA_OSD_DATA
FPGA_OSD_STB
FPGA_OSD_BUSY_L
SSP
REC_FP
CTL_PULSE
TAPE_REV_H
232C_TX
232C_RX
EPC_OE1
EPC_NCS1
GA_SYS_CLK18
SYSAV_CS_EXT_L
SYSAV_CS_DIF_L
SYSAV_CS_APROC_L
SYSAV_CS_VOUT_L
SYSAV_CS_RECPB_L
SYSAV_CS_SDI_L
SYSAV_CS_VIN_L
SYSAV_CS_AUDIO_L
SYSAV_CS_TC_L
TP600 (SYSAV_CS_FPGA_L)
SYSAV_WRL_L
SYSAV_WRH_L
SYSAV_RD_L
SYSAV_CS0
SYSAV_CS1
SYSAV_A[1-20]
SYS_CTRL
SV_FL_TX
SV_FL_RX
SV_FL_FP
SV_FL_RST
IF_BCLK
EPC_DATA1
EPC_DCLK1
SYSAV_BCLK
SYSAV_FL_RST
SYSAV_FL_FP
SYSAV_FL_RX
SYSAV_FL_19200H
SYSAV_FL_TX
DV_FLASH_RST
DV_FLASH_FP
DV_FL_RX
DV_FL_TX
SA_DIF_AV_INT_L
SA_AV_DIF_INT_L
SYSAV_D[0-7]
SYSAV_GATE
SYSAV_DIR
SYSAV_WAIT_L
AVPLD_RD_L
AVPLD_WRL_L
AVPLD_WRH_L
DIF_FLASH_FP
DIF_FL_RX
DIF_FL_TX
DIF_FLASH_RST
TP606
TP602
TP605
C1ZBZ0001836
IC600
R600 PAT/J3
R603 PAT/J3
R611 47/J3
C600 1000P/B
R604 0/J3
R605 0/J3
R607 0/J3
R608 0/J3
R609 0/J3
R601 0/J3
R602 0/J3
R610 22/J3
C611 0.1/UFV
C610 6V47/EHB
L6000 470/LA
C612 0.1/UFV
C609 6V47/EHB
L6001 470/LA
C613 0.1/UFV
C614 6V47/EHB
L6002 470/LA
+3V
+1.8V
+1.8AV
+3AV
C601 0.1/UFV
C602 0.1/UFV
C603 0.1/UFV
C604 0.1/UFV
C605 0.1/UFV
C606 0.1/UFV
C607 0.1/UFV
C608 0.1/UFV
A
B
C
D
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F
G
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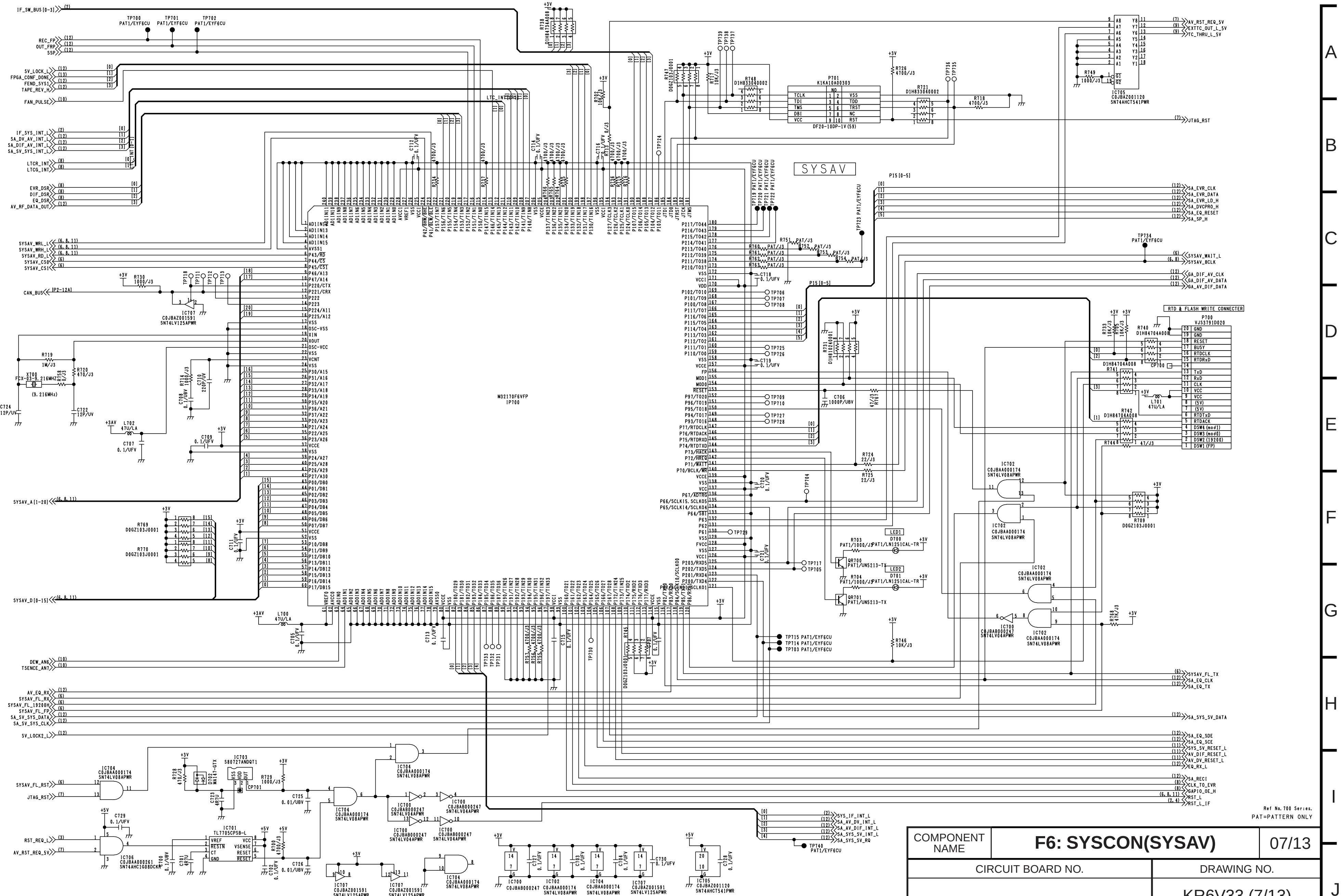
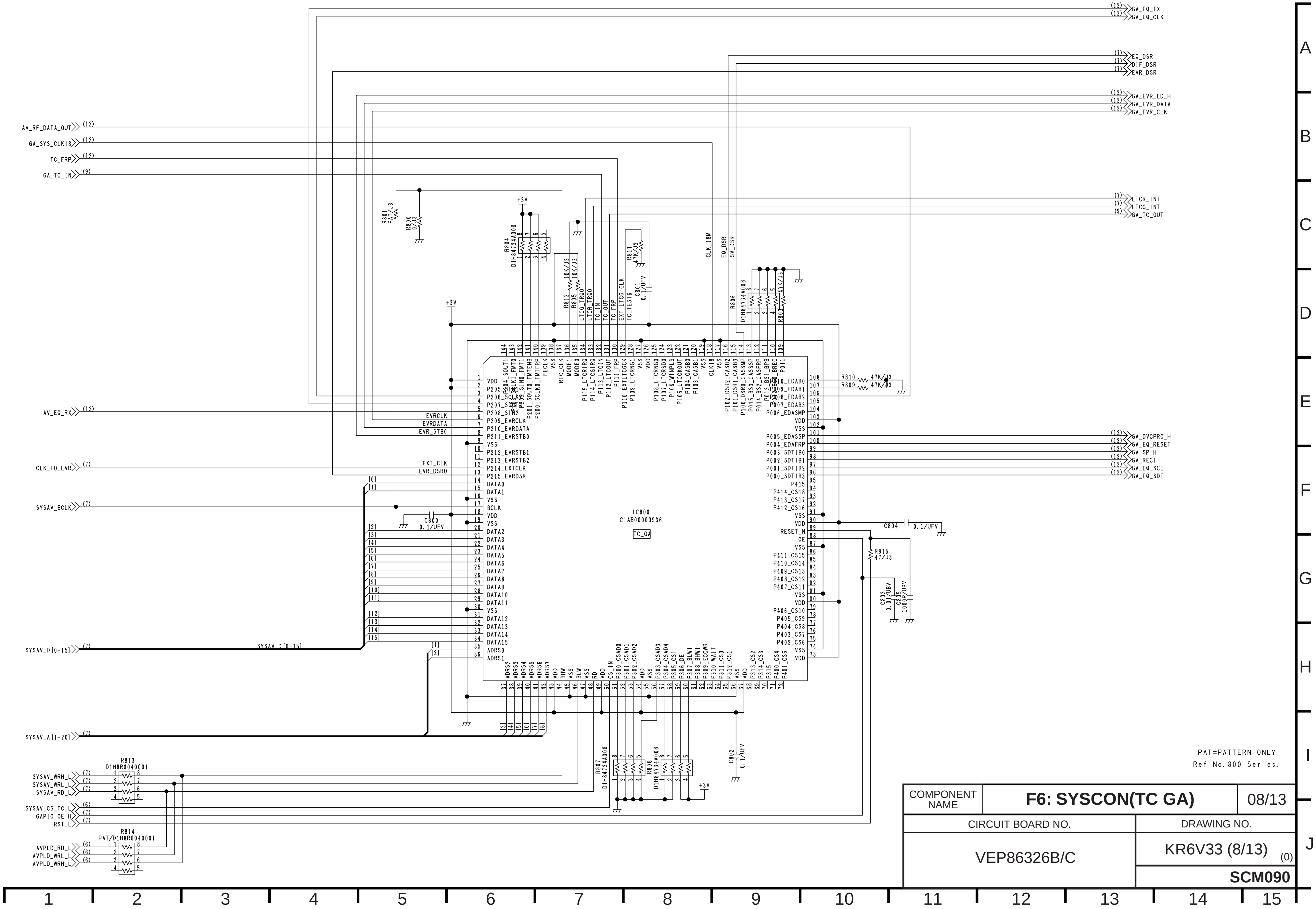
PAT=PATTERN ONLY
Ref. No. 600 Series.

COMPONENT NAME	F6: SYSCON(SYS_CTRL)	06/13
CIRCUIT BOARD NO.	DRAWING NO.	
VEP86326B/C	KR6V33 (6/13) (0)	
	SCM088	


SYSAV
M32170F6VFP
IP700
IF_SW_BUS[0-3]
REC_FP
OUT_FRP
SSP
SV_LOCK_L
FPGA_CONF_DONE
FEND_SYS1
TAPE_REV_H
FAN_PULSE
IF_SYS_INT_L
SA_DV_AV_INT_L
SA_DIF_AV_INT_L
SA_SV_SYS_INT_L
LTCR_INT
LTCG_INT
EVR_DSR
DIF_DSR
EQ_DSR
AV_RF_DATA_OUT
SYSAV_WRL_L
SYSAV_WRH_L
SYSAV_RD_L
SYSAV_CS0
SYSAV_CS1
CAN_BUS
SYSAV_A[1-20]
SYSAV_D[0-15]
DEW_AN6
TSENCE_AN7
AV_EQ_RX
SYSAV_FL_RX
SYSAV_FL_19200H
SYSAV_FL_FP
SA_SV_SYS_DATA
SA_SV_SYS_CLK
SV_LOCK2_L
SYSAV_FL_RST
JTAG_RST
RST_REQ_L
AV_RST_REQ_5V
AV_RST_REQ_5V
EXTTC_OUT_L_5V
TC_THRU_L_5V
SA_EVR_CLK
SA_EVR_DATA
SA_EVR_LD_H
SA_DVCPRO_H
SA_EQ_RESET
SA_SP_H
SYSAV_WAIT_L
SYSAV_BCLK
SA_DIF_AV_CLK
SA_DIF_AV_DATA
SA_AV_DIF_DATA
RTD & FLASH WRITE CONNECTER
P700
SYSAV_FL_TX
SA_EQ_CLK
SA_EQ_TX
SA_SYS_SV_DATA
SA_EQ_SDE
SA_EQ_SCE
SYS_SV_RESET_L
AV_DIF_RESET_L
AV_DV_RESET_L
EQ_RX_L
SA_REC1
CLK_TO_EVR
GAP10_OE_H
RST_L
RST_L_IF
SYS_IF_INT_L
SA_AV_DV_INT_L
SA_AV_DIF_INT_L
SA_SYS_SV_INT_L
SA_SYS_SV_RQ
IC701 TL7705CPSB-L
IC703 S80727ANDQT1
IC705 C0JBAZ001120 SN74AHCT541PWR
IC702 C0JBAA000174 SN74LV08APWR
IC704 C0JBAA000174 SN74LV08APWR
IC700 C0JBAB000247 SN74LV04APWR
IC706 C0JBAA000261 SN74AHC1G08DCKR
IC707 C0JBAZ001591 SN74LV125APWR
X700 FCX-03-9.216MHZ
P701 K1KA10A00303
DF20-10DP-1V(59)
TCLK
TDI
TMS
DBI
VCC
VSS
TDO
TRST
NC
RST
LED1
LED2
D700 PAT1/LN1251CAL-TR
D701 PAT1/LN1251CAL-TR
QR700 PAT1/UN5213-TX
QR701 PAT1/UN5213-TX
GND
RESET
BUSY
RTDCLK
RTDRxD
TxD
RxD
CLK
RTDTxD
RTDACK
DSW4(mod1)
DSW3(mod0)
DSW2(19200)
DSW1(FP)
Ref No.700 Series.
PAT=PATTERN ONLY

COMPONENT NAME	F6: SYSCON(SYSAV)	07/13
CIRCUIT BOARD NO.		DRAWING NO.
VEP86326B/C		KR6V33 (7/13) (0)
		SCM089


GA_EQ_TX
GA_EQ_CLK
EQ_DSR
DIF_DSR
EVR_DSR
GA_EVR_LD_H
GA_EVR_DATA
GA_EVR_CLK
AV_RF_DATA_OUT
GA_SYS_CLK18
TC_FRP
GA_TC_IN
LTCR_INT
LTCG_INT
GA_TC_OUT
AV_EQ_RX
CLK_TO_EVR
SYSAV_BCLK
SYSAV_D[0-15]
SYSAV_A[1-20]
SYSAV_WRH_L
SYSAV_WRL_L
SYSAV_RD_L
SYSAV_CS_TC_L
GAPIO_OE_H
RST_L
AVPLD_RD_L
AVPLD_WRL_L
AVPLD_WRH_L
GA_DVCPRO_H
GA_EQ_RESET
GA_SP_H
GA_RECI
GA_EQ_SCE
GA_EQ_SDE
IC800
C1AB00000936
TC_GA
R801 PAT/J3
R800 0/J3
R804 D1H84734A008
R812 10K/J3
R805 10K/J3
R811 47K/J3
C801 0.1/UFV
R806 D1H84734A008
R803 47K/J3
R810 47K/J3
R809 47K/J3
C800 0.1/UFV
C804 0.1/UFV
R815 47/J3
C803 0.01/UBV
C805 1000P/UBV
C802 0.1/UFV
R807 D1H84734A008
R808 D1H84734A008
R813 D1H8R0040001
R814 PAT/D1H8R0040001
+3V
EVRCLK
EVRDATA
EVR_STB0
EXT_CLK
EVR_DSR0
CLK_18M
EQ_DSR
SV_DSR
LTCG_IRQ0
LTCR_IRQ0
TC_IN
TC_OUT
TC_FRP
EXT_LTCG_CLK
TC_TEST6
SYSAV_D[0-15]
VDD
P205_SIO
P206_SCLK2
P207_SOUT2
P208_SIN2
P209_EVRCLK
P210_EVRDATA
P211_EVRSTB0
VSS
P212_EVRSTB1
P213_EVRSTB2
P214_EXTCLK
P215_EVRDSR
DATA0
DATA1
BCLK
DATA2
DATA3
DATA4
DATA5
DATA6
DATA7
DATA8
DATA9
DATA10
DATA11
DATA12
DATA13
DATA14
DATA15
ADRS0
ADRS1
P000_EDAB0
P009_EDAB1
P008_EDAB2
P007_EDAB3
P006_EDASMP
P005_EDASSP
P004_EDAFRP
P003_SDTIB0
P002_SDTIB1
P001_SDTIB2
P000_SDTIB3
P415
P414_CS18
P413_CS17
P412_CS16
RESET_N
OE
P411_CS15
P410_CS14
P409_CS13
P408_CS12
P407_CS11
P406_CS10
P405_CS9
P404_CS8
P403_CS7
P402_CS6
PAT=PATTERN ONLY
Ref No. 800 Series.
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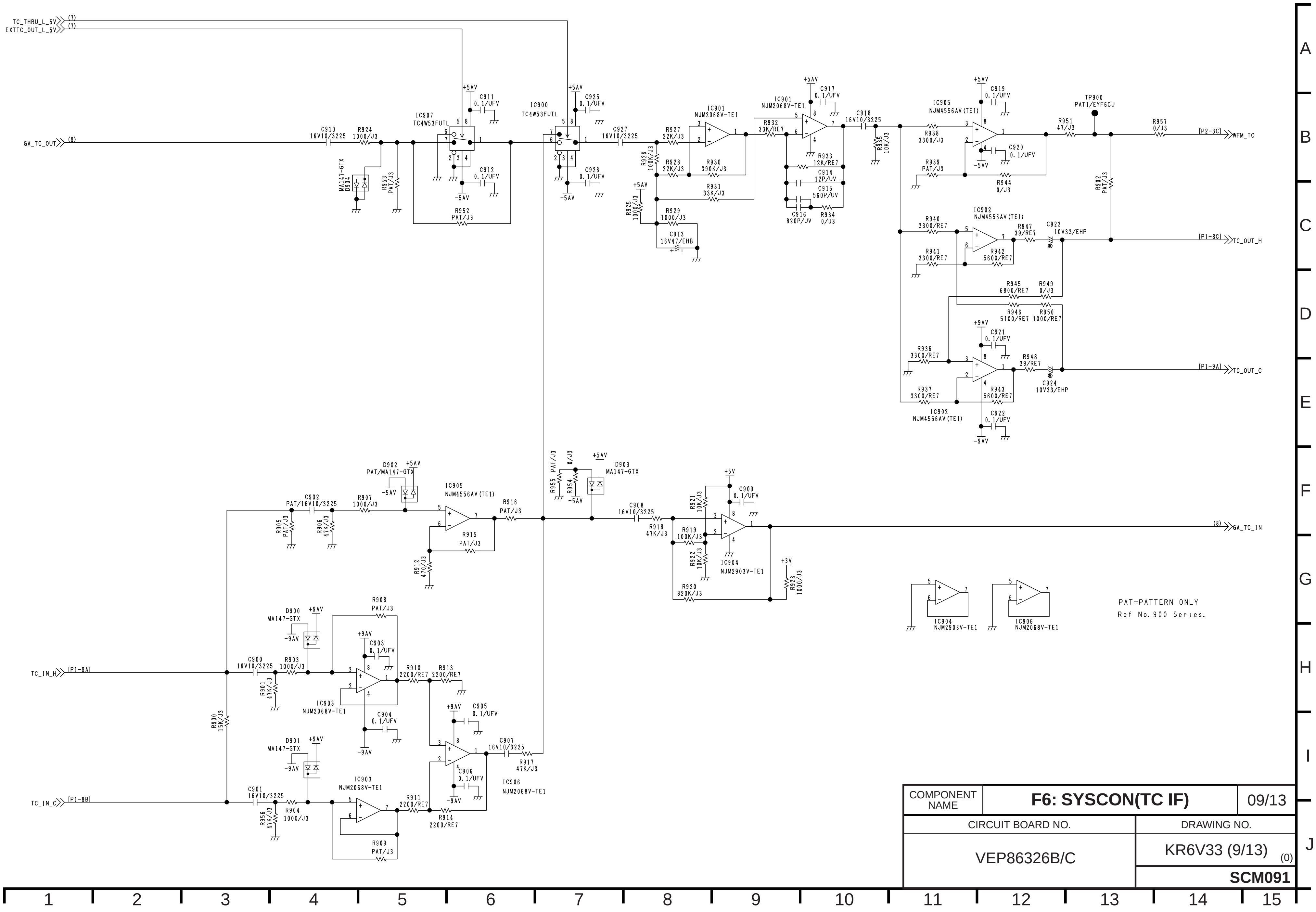
COMPONENT NAME	F6: SYSCON(TC GA)	08/13
CIRCUIT BOARD NO.	DRAWING NO.	
VEP86326B/C	KR6V33 (8/13) (0)	
	SCM090	


TC_THRU_L_5V (7)
EXTTC_OUT_L_5V (7)
GA_TC_OUT (8)
C910 16V10/3225
R924 1000/J3
D904 MA147-GTX
R953 PAT/J3
IC907 TC4W53FUTL
C911 0.1/UFV
C912 0.1/UFV
R952 PAT/J3
IC900 TC4W53FUTL
C925 0.1/UFV
C926 0.1/UFV
C927 16V10/3225
IC901 NJM2068V-TE1
R927 22K/J3
R928 22K/J3
R926 100K/J3
R930 390K/J3
R931 33K/J3
R925 1000/J3
R929 1000/J3
C913 16V47/EHB
R932 33K/RE7
C917 0.1/UFV
R933 12K/RE7
C914 12P/UV
C915 560P/UV
C916 820P/UV
R934 0/J3
C918 16V10/3225
R935 10K/J3
IC905 NJM4556AV(TE1)
C919 0.1/UFV
R938 3300/J3
R939 PAT/J3
C920 0.1/UFV
R944 0/J3
TP900 PAT1/EYF6CU
R951 47/J3
R957 0/J3
[P2-3C] WFM_TC
R902 PAT/J3
R940 3300/RE7
IC902 NJM4556AV(TE1)
R947 39/RE7
C923 10V33/EHP
[P1-8C] TC_OUT_H
R941 3300/RE7
R942 5600/RE7
R945 6800/RE7
R949 0/J3
R946 5100/RE7
R950 1000/RE7
C921 0.1/UFV
R936 3300/RE7
R948 39/RE7
C924 10V33/EHP
[P1-9A] TC_OUT_C
R937 3300/RE7
R943 5600/RE7
C922 0.1/UFV
+5AV
-5AV
+9AV
-9AV
D902 PAT/MA147-GTX
C902 PAT/16V10/3225
R907 1000/J3
R905 PAT/J3
R906 47K/J3
IC905 NJM4556AV(TE1)
R916 PAT/J3
R915 PAT/J3
R912 470/J3
R955 PAT/J3
R954 0/J3
D903 MA147-GTX
C908 16V10/3225
R918 47K/J3
R921 10K/J3
C909 0.1/UFV
+5V
R919 100K/J3
R922 10K/J3
IC904 NJM2903V-TE1
R920 820K/J3
+3V
R923 1000/J3
(8) GA_TC_IN
IC904 NJM2903V-TE1
IC906 NJM2068V-TE1
D900 MA147-GTX
R908 PAT/J3
C903 0.1/UFV
TC_IN_H [P1-8A]
C900 16V10/3225
R903 1000/J3
R901 47K/J3
IC903 NJM2068V-TE1
R910 2200/RE7
R913 2200/RE7
C904 0.1/UFV
R900 15K/J3
C905 0.1/UFV
C907 16V10/3225
R917 47K/J3
C906 0.1/UFV
IC906 NJM2068V-TE1
D901 MA147-GTX
TC_IN_C [P1-8B]
C901 16V10/3225
R956 47K/J3
R904 1000/J3
IC903 NJM2068V-TE1
R911 2200/RE7
R914 2200/RE7
R909 PAT/J3
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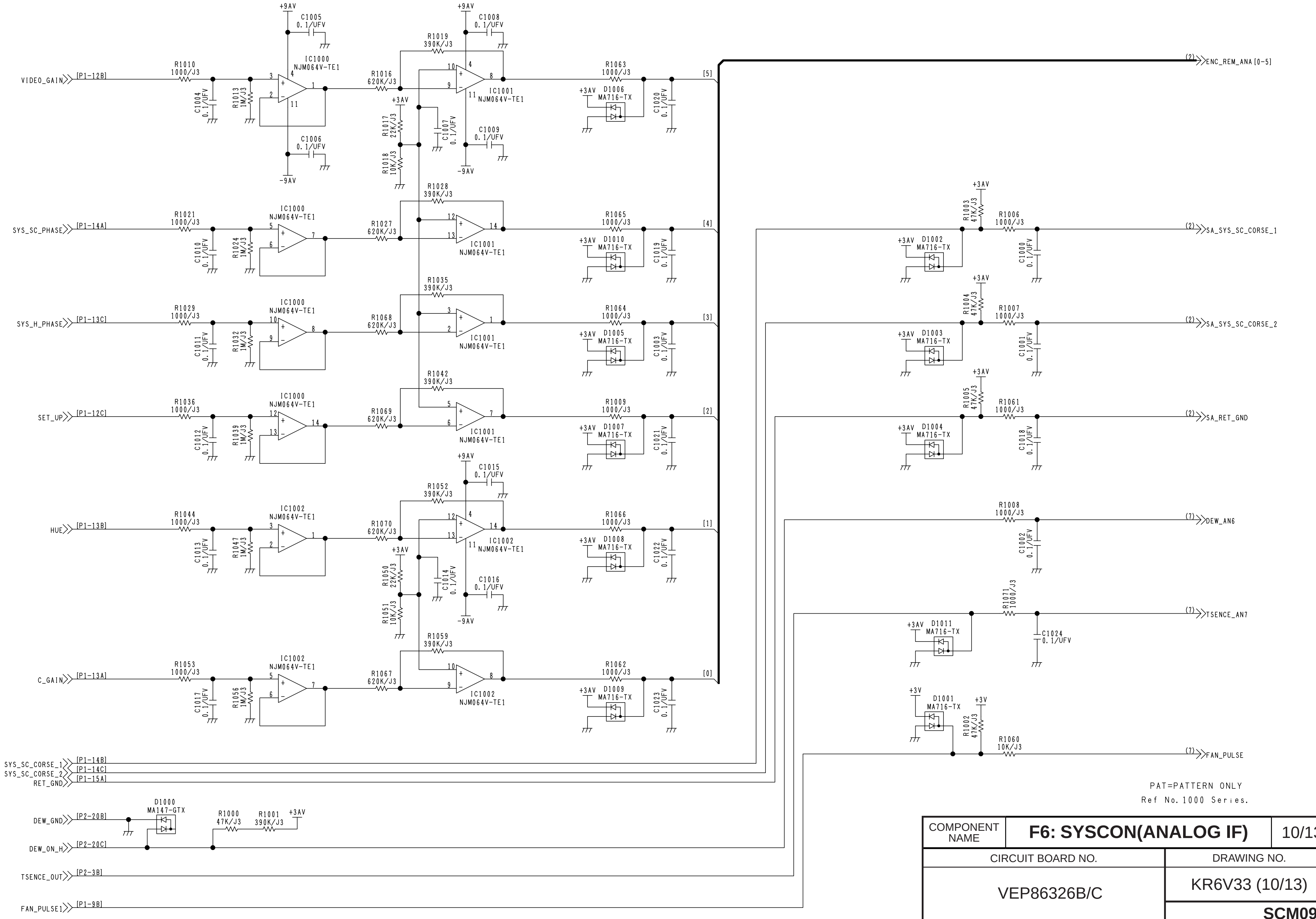
PAT=PATTERN ONLY
Ref No.900 Series.

COMPONENT NAME	F6: SYSCON(TC IF)	09/13
CIRCUIT BOARD NO.	DRAWING NO.	
VEP86326B/C	KR6V33 (9/13) (0)	
	SCM091	


VIDEO_GAIN [P1-12B]
SYS_SC_PHASE [P1-14A]
SYS_H_PHASE [P1-13C]
SET_UP [P1-12C]
HUE [P1-13B]
C_GAIN [P1-13A]
SYS_SC_CORSE_1 [P1-14B]
SYS_SC_CORSE_2 [P1-14C]
RET_GND [P1-15A]
DEW_GND [P2-20B]
DEW_ON_H [P2-20C]
TSENCE_OUT [P2-3B]
FAN_PULSE1 [P1-9B]
IC1000 NJM064V-TE1
IC1001 NJM064V-TE1
IC1002 NJM064V-TE1
+9AV
-9AV
+3AV
+3V
C1005 0.1/UFV
C1006 0.1/UFV
C1008 0.1/UFV
C1009 0.1/UFV
C1015 0.1/UFV
C1016 0.1/UFV
C1007 0.1/UFV
C1014 0.1/UFV
R1010 1000/J3
R1021 1000/J3
R1029 1000/J3
R1036 1000/J3
R1044 1000/J3
R1053 1000/J3
R1013 1M/J3
R1024 1M/J3
R1032 1M/J3
R1039 1M/J3
R1047 1M/J3
R1056 1M/J3
C1004 0.1/UFV
C1010 0.1/UFV
C1011 0.1/UFV
C1012 0.1/UFV
C1013 0.1/UFV
C1017 0.1/UFV
R1016 620K/J3
R1027 620K/J3
R1068 620K/J3
R1069 620K/J3
R1070 620K/J3
R1067 620K/J3
R1019 390K/J3
R1028 390K/J3
R1035 390K/J3
R1042 390K/J3
R1052 390K/J3
R1059 390K/J3
R1017 22K/J3
R1018 10K/J3
R1050 22K/J3
R1051 10K/J3
R1063 1000/J3
R1065 1000/J3
R1064 1000/J3
R1009 1000/J3
R1066 1000/J3
R1062 1000/J3
D1006 MA716-TX
D1010 MA716-TX
D1005 MA716-TX
D1007 MA716-TX
D1008 MA716-TX
D1009 MA716-TX
C1020 0.1/UFV
C1019 0.1/UFV
C1003 0.1/UFV
C1021 0.1/UFV
C1022 0.1/UFV
C1023 0.1/UFV
[5]
[4]
[3]
[2]
[1]
[0]
(2) ENC_REM_ANA[0-5]
R1003 47K/J3
R1004 47K/J3
R1005 47K/J3
R1006 1000/J3
R1007 1000/J3
R1061 1000/J3
D1002 MA716-TX
D1003 MA716-TX
D1004 MA716-TX
C1000 0.1/UFV
C1001 0.1/UFV
C1018 0.1/UFV
(2) SA_SYS_SC_CORSE_1
(2) SA_SYS_SC_CORSE_2
(2) SA_RET_GND
R1008 1000/J3
C1002 0.1/UFV
(7) DEW_AN6
R1071 1000/J3
D1011 MA716-TX
C1024 0.1/UFV
(7) TSENCE_AN7
D1001 MA716-TX
R1002 47K/J3
R1060 10K/J3
(7) FAN_PULSE
D1000 MA147-GTX
R1000 47K/J3
R1001 390K/J3

PAT=PATTERN ONLY

Ref No.1000 Series.

COMPONENT NAME	F6: SYSCON(ANALOG IF)	10/13
CIRCUIT BOARD NO.	DRAWING NO.	
VEP86326B/C	KR6V33 (10/13) (0)	
	SCM092	

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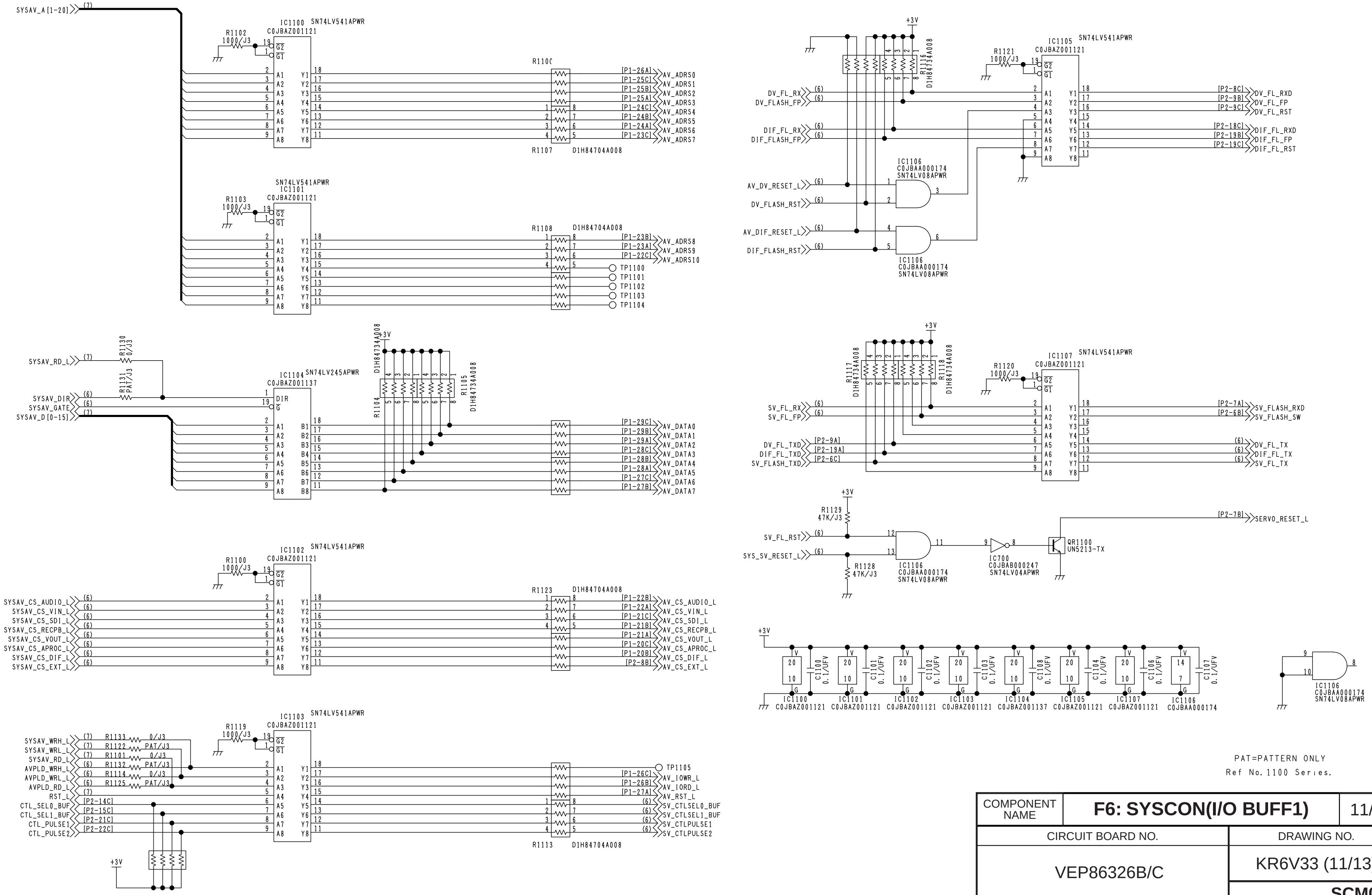
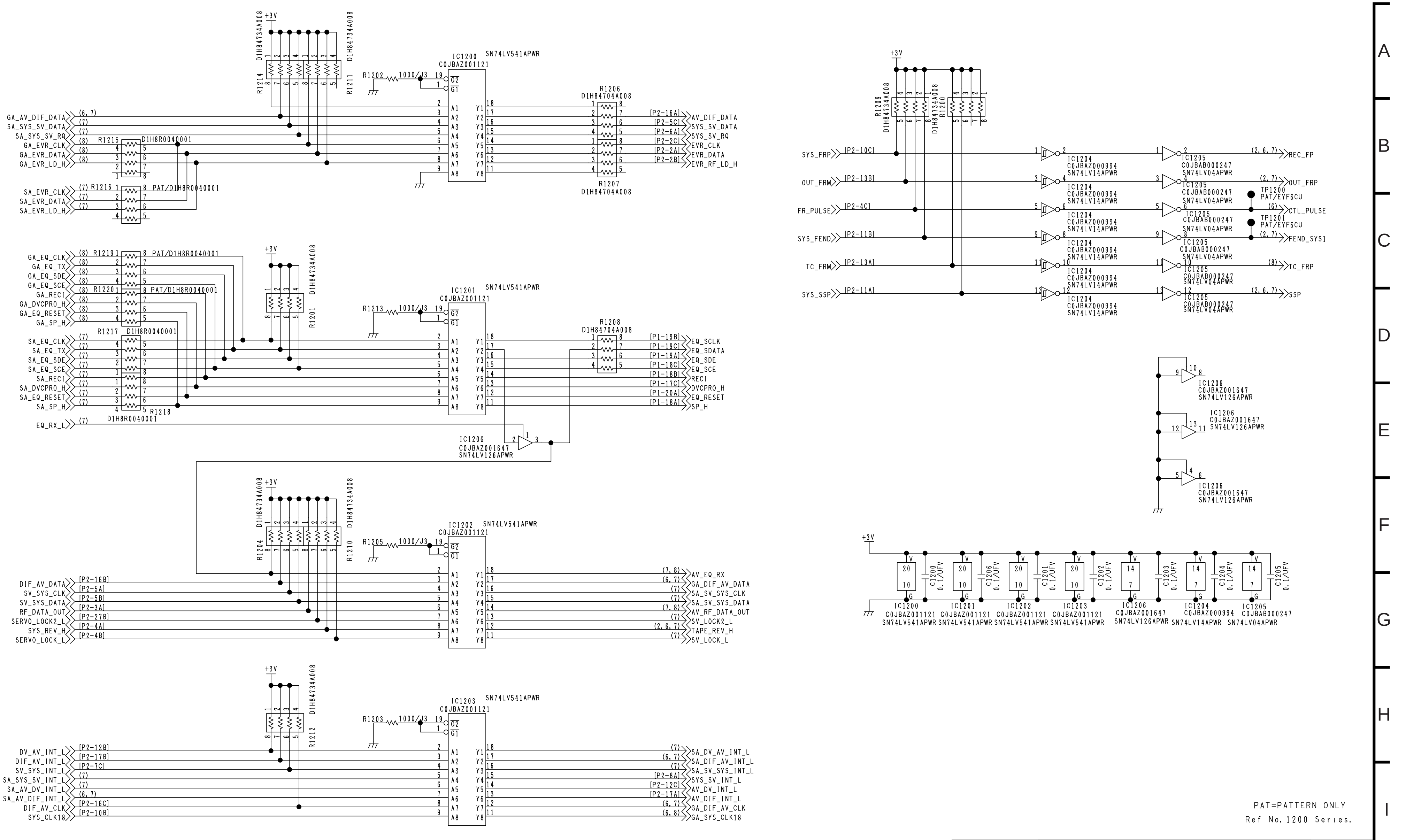
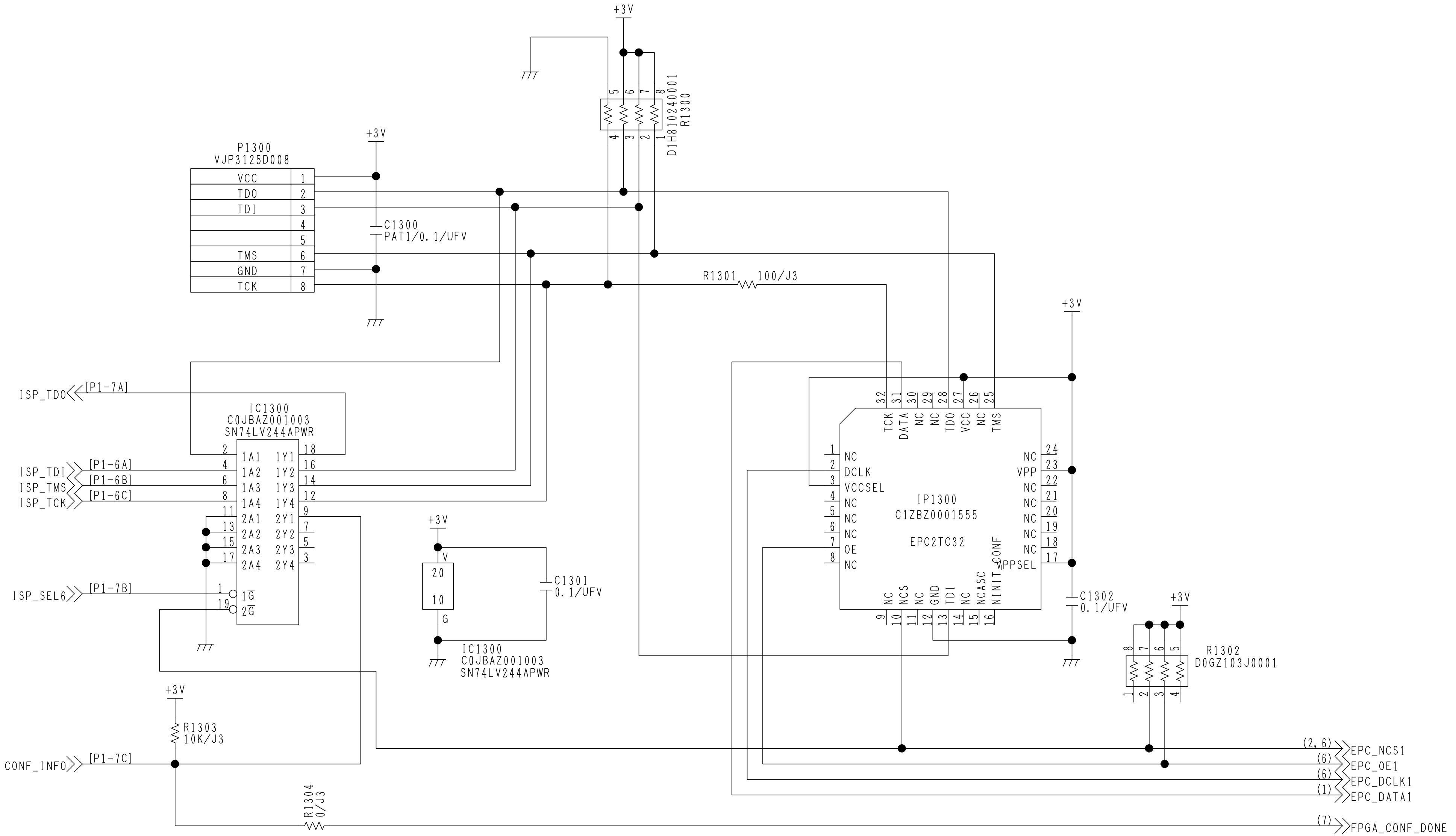

SYSAV_A[1-20]
IC1100 SN74LV541APWR C0JBAZ001121
R1102 1000/J3
R1100 R1107 D1H84704A008
AV_ADRS0
AV_ADRS1
AV_ADRS2
AV_ADRS3
AV_ADRS4
AV_ADRS5
AV_ADRS6
AV_ADRS7
IC1101 SN74LV541APWR C0JBAZ001121
R1103 1000/J3
R1108 D1H84704A008
AV_ADRS8
AV_ADRS9
AV_ADRS10
TP1100
TP1101
TP1102
TP1103
TP1104
SYSAV_RD_L
SYSAV_DIR
SYSAV_GATE
SYSAV_D[0-15]
R1130 0/J3
R1131 PAT/J3
IC1104 SN74LV245APWR C0JBAZ001137
R1104 D1H84734A008
R1105 D1H84734A008
AV_DATA0
AV_DATA1
AV_DATA2
AV_DATA3
AV_DATA4
AV_DATA5
AV_DATA6
AV_DATA7
IC1102 SN74LV541APWR C0JBAZ001121
R1100 1000/J3
R1123 D1H84704A008
SYSAV_CS_AUDIO_L
SYSAV_CS_VIN_L
SYSAV_CS_SDI_L
SYSAV_CS_RECPB_L
SYSAV_CS_VOUT_L
SYSAV_CS_APROC_L
SYSAV_CS_DIF_L
SYSAV_CS_EXT_L
AV_CS_AUDIO_L
AV_CS_VIN_L
AV_CS_SDI_L
AV_CS_RECPB_L
AV_CS_VOUT_L
AV_CS_APROC_L
AV_CS_DIF_L
AV_CS_EXT_L
IC1103 SN74LV541APWR C0JBAZ001121
R1119 1000/J3
SYSAV_WRH_L
SYSAV_WRL_L
SYSAV_RD_L
AVPLD_WRH_L
AVPLD_WRL_L
AVPLD_RD_L
RST_L
CTL_SEL0_BUF
CTL_SEL1_BUF
CTL_PULSE1
CTL_PULSE2
R1133 0/J3
R1122 PAT/J3
R1101 0/J3
R1132 PAT/J3
R1114 0/J3
R1125 PAT/J3
R1113 D1H84704A008
TP1105
AV_IOWR_L
AV_IORD_L
AV_RST_L
SV_CTLSEL0_BUF
SV_CTLSEL1_BUF
SV_CTLPULSE1
SV_CTLPULSE2
+3V
R1116 D1H84734A008
IC1105 SN74LV541APWR C0JBAZ001121
R1121 1000/J3
DV_FL_RX
DV_FL_FP
DIF_FL_RX
DIF_FL_FP
AV_DV_RESET_L
DV_FLASH_RST
AV_DIF_RESET_L
DIF_FLASH_RST
IC1106 C0JBAA000174 SN74LV08APWR
DV_FL_RXD
DV_FL_FP
DV_FL_RST
DIF_FL_RXD
DIF_FL_FP
DIF_FL_RST
R1117 D1H84734A008
R1118 D1H84734A008
IC1107 SN74LV541APWR C0JBAZ001121
R1120 1000/J3
SV_FL_RX
SV_FL_FP
DV_FL_TXD
DIF_FL_TXD
SV_FLASH_TXD
SV_FLASH_RXD
SV_FLASH_SW
DV_FL_TX
DIF_FL_TX
SV_FL_TX
R1129 47K/J3
R1128 47K/J3
SV_FL_RST
SYS_SV_RESET_L
IC700 C0JBAB000247 SN74LV04APWR
QR1100 UN5213-TX
SERVO_RESET_L
C1100 0.1/UFV
C1101 0.1/UFV
C1102 0.1/UFV
C1103 0.1/UFV
C1104 0.1/UFV
C1105 0.1/UFV
C1106 0.1/UFV
C1107 0.1/UFV
IC1100 C0JBAZ001121
IC1101 C0JBAZ001121
IC1102 C0JBAZ001121
IC1103 C0JBAZ001121
IC1104 C0JBAZ001137
IC1105 C0JBAZ001121
IC1107 C0JBAZ001121
IC1106 C0JBAA000174

PAT=PATTERN ONLY
Ref No. 1100 Series.

COMPONENT NAME	F6: SYSCON(I/O BUFF1)	11/13
CIRCUIT BOARD NO.	DRAWING NO.	
VEP86326B/C	KR6V33 (11/13) (0)	
	SCM093	

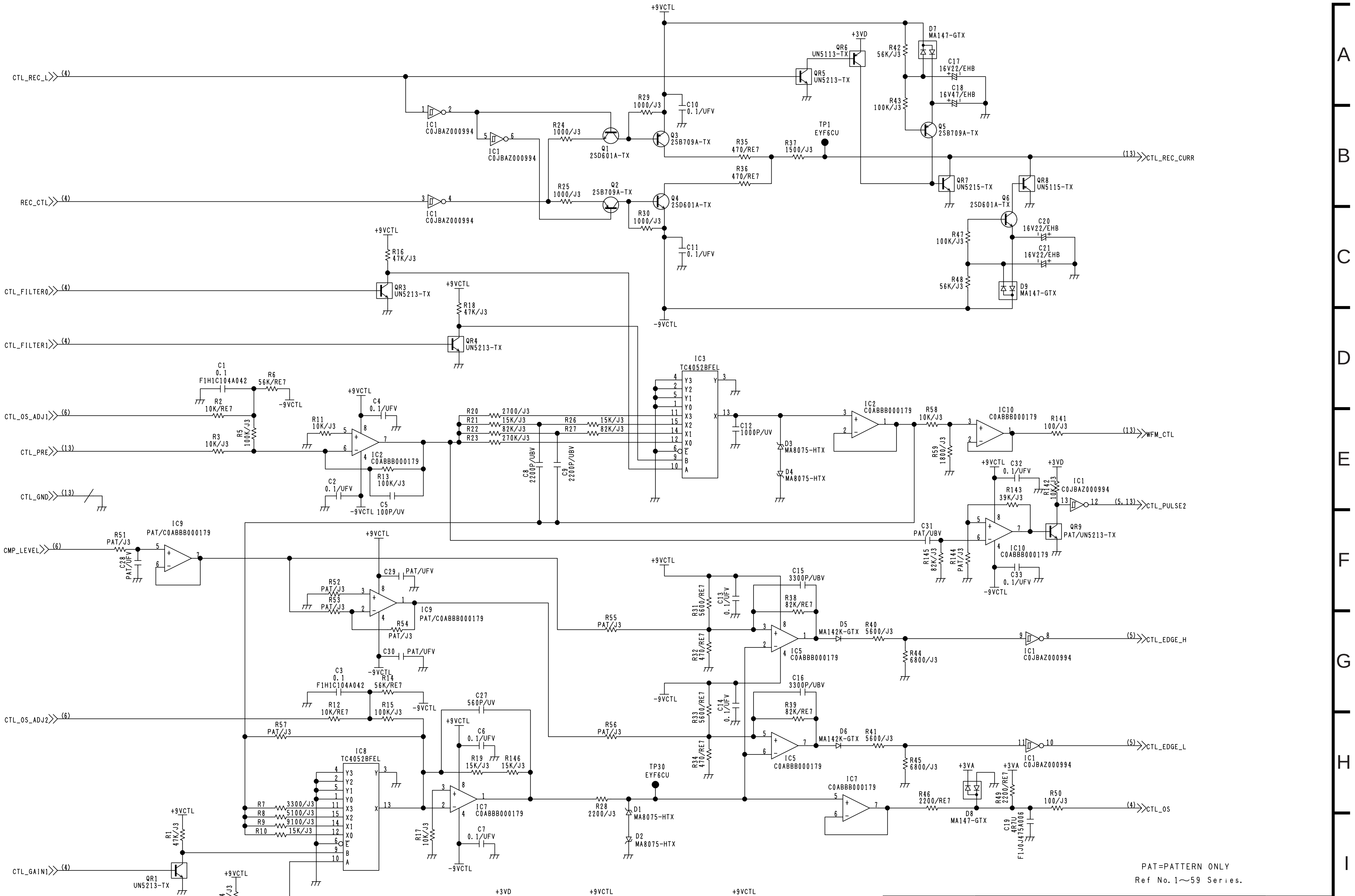

IC1200 C0JBAZ001121 SN74LV541APWR
IC1201 C0JBAZ001121 SN74LV541APWR
IC1202 C0JBAZ001121 SN74LV541APWR
IC1203 C0JBAZ001121 SN74LV541APWR
IC1204 C0JBAZ000994 SN74LV14APWR
IC1205 C0JBAB000247 SN74LV04APWR
IC1206 C0JBAZ001647 SN74LV126APWR
R1214 D1H84734A008
R1211 D1H84734A008
R1202 1000/J3
R1206 D1H84704A008
R1207 D1H84704A008
R1215 D1H8R0040001
R1216 PAT/D1H8R0040001
R1219 PAT/D1H8R0040001
R1220 PAT/D1H8R0040001
R1217 D1H8R0040001
R1218 D1H8R0040001
R1201 D1H84734A008
R1213 1000/J3
R1208 D1H84704A008
R1204 D1H84734A008
R1210 D1H84734A008
R1205 1000/J3
R1212 D1H84734A008
R1203 1000/J3
R1209 D1H84734A008
R1200 D1H84734A008
TP1200 PAT/EYF6CU
TP1201 PAT/EYF6CU
C1200 0.1/UFV
C1206 0.1/UFV
C1201 0.1/UFV
C1202 0.1/UFV
C1203 0.1/UFV
C1204 0.1/UFV
C1205 0.1/UFV
+3V
GA_AV_DIF_DATA
SA_SYS_SV_DATA
SA_SYS_SV_RQ
GA_EVR_CLK
GA_EVR_DATA
GA_EVR_LD_H
SA_EVR_CLK
SA_EVR_DATA
SA_EVR_LD_H
AV_DIF_DATA
SYS_SV_DATA
SYS_SV_RQ
EVR_CLK
EVR_DATA
EVR_RF_LD_H
GA_EQ_CLK
GA_EQ_TX
GA_EQ_SDE
GA_EQ_SCE
GA_RECI
GA_DVCPRO_H
GA_EQ_RESET
GA_SP_H
SA_EQ_CLK
SA_EQ_TX
SA_EQ_SDE
SA_EQ_SCE
SA_RECI
SA_DVCPRO_H
SA_EQ_RESET
SA_SP_H
EQ_RX_L
EQ_SCLK
EQ_SDATA
EQ_SDE
EQ_SCE
RECI
DVCPRO_H
EQ_RESET
SP_H
DIF_AV_DATA
SV_SYS_CLK
SV_SYS_DATA
RF_DATA_OUT
SERVO_LOCK2_L
SYS_REV_H
SERVO_LOCK_L
AV_EQ_RX
GA_DIF_AV_DATA
SA_SV_SYS_CLK
SA_SV_SYS_DATA
AV_RF_DATA_OUT
SV_LOCK2_L
TAPE_REV_H
SV_LOCK_L
DV_AV_INT_L
DIF_AV_INT_L
SV_SYS_INT_L
SA_SYS_SV_INT_L
SA_AV_DV_INT_L
SA_AV_DIF_INT_L
DIF_AV_CLK
SYS_CLK18
SA_DV_AV_INT_L
SA_DIF_AV_INT_L
SA_SV_SYS_INT_L
SYS_SV_INT_L
AV_DV_INT_L
AV_DIF_INT_L
GA_DIF_AV_CLK
GA_SYS_CLK18
SYS_FRP
OUT_FRM
FR_PULSE
SYS_FEND
TC_FRM
SYS_SSP
REC_FP
OUT_FRP
CTL_PULSE
FEND_SYS1
TC_FRP
SSP
PAT=PATTERN ONLY
Ref No.1200 Series.

COMPONENT NAME	F6: SYSCON(I/O BUFF2)	12/13
CIRCUIT BOARD NO.	DRAWING NO.	
VEP86326B/C	KR6V33 (12/13) (0)	
	SCM094	


+3V
D1H810240001
R1300
P1300
VJP3125D008
VCC
TDO
TDI
TMS
GND
TCK
C1300
PAT1/0.1/UFV
R1301
100/J3
ISP_TDO
[P1-7A]
IC1300
C0JBAZ001003
SN74LV244APWR
ISP_TDI
[P1-6A]
ISP_TMS
[P1-6B]
ISP_TCK
[P1-6C]
1A1
1A2
1A3
1A4
2A1
2A2
2A3
2A4
1Y1
1Y2
1Y3
1Y4
2Y1
2Y2
2Y3
2Y4
1G
2G
ISP_SEL6
[P1-7B]
C1301
0.1/UFV
IC1300
C0JBAZ001003
SN74LV244APWR
R1303
10K/J3
CONF_INFO
[P1-7C]
R1304
0/J3
IP1300
C1ZBZ0001555
EPC2TC32
TCK
DATA
NC
TDO
VCC
TMS
DCLK
VCCSEL
OE
VPP
VPPSEL
NCS
GND
TDI
NCASC
NINIT_CONF
C1302
0.1/UFV
R1302
D0GZ103J0001
(2,6) EPC_NCS1
(6) EPC_OE1
(6) EPC_DCLK1
(1) EPC_DATA1
(7) FPGA_CONF_DONE

PAT=PATTERN ONLY
Ref No. 1300 Series.

COMPONENT NAME	**F6: SYSCON(ISP)**	13/13
CIRCUIT BOARD NO.	DRAWING NO.	
VEP86326B/C	KR6V33 (13/13) (0)	
	SCM095	


+9VCTL
CTL_REC_L (4)
REC_CTL (4)
CTL_FILTER0 (4)
CTL_FILTER1 (4)
CTL_OS_ADJ1 (6)
CTL_PRE (13)
CTL_GND (13)
CMP_LEVEL (6)
CTL_OS_ADJ2 (6)
CTL_GAIN1 (4)
CTL_GAIN0 (4)
(13) CTL_REC_CURR
(13) WFM_CTL
(5, 13) CTL_PULSE2
(5) CTL_EDGE_H
(5) CTL_EDGE_L
(4) CTL_OS
IC1 C0JBAZ000994
IC2 C0ABBB000179
IC3 TC4052BFEL
IC5 C0ABBB000179
IC7 C0ABBB000179
IC8 TC4052BFEL
IC9 PAT/C0ABBB000179
IC10 C0ABBB000179
Q1 2SD601A-TX
Q2 2SB709A-TX
Q3 2SB709A-TX
Q4 2SD601A-TX
Q5 2SB709A-TX
Q6 2SD601A-TX
QR1 UN5213-TX
QR2 UN5213-TX
QR3 UN5213-TX
QR4 UN5213-TX
QR5 UN5213-TX
QR6 UN5113-TX
QR7 UN5215-TX
QR8 UN5115-TX
QR9 PAT/UN5213-TX
D1 MA8075-HTX
D2 MA8075-HTX
D3 MA8075-HTX
D4 MA8075-HTX
D5 MA142K-GTX
D6 MA142K-GTX
D7 MA147-GTX
D8 MA147-GTX
D9 MA147-GTX
TP1 EYF6CU
TP30 EYF6CU
+3VD
+3VA
-9VCTL
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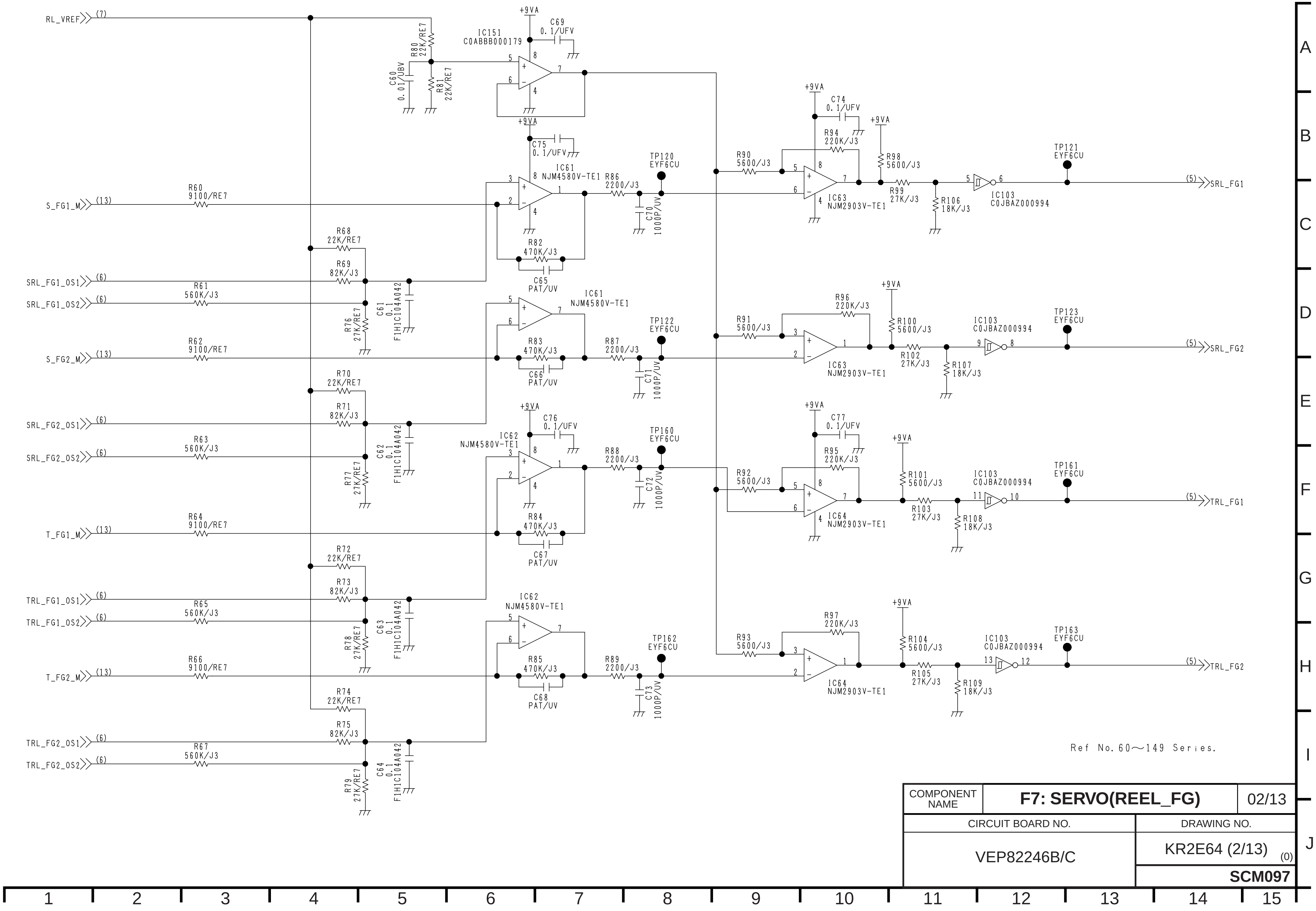
PAT=PATTERN ONLY

Ref No.1〜59 Series.

COMPONENT NAME	F7: SERVO(CTL)	01/13

CIRCUIT BOARD NO.	DRAWING NO.
VEP82246B/C	KR2E64 (1/13) (0)
	SCM096


RL_VREF (7)
S_FG1_M (13)
SRL_FG1_OS1 (6)
SRL_FG1_OS2 (6)
S_FG2_M (13)
SRL_FG2_OS1 (6)
SRL_FG2_OS2 (6)
T_FG1_M (13)
TRL_FG1_OS1 (6)
TRL_FG1_OS2 (6)
T_FG2_M (13)
TRL_FG2_OS1 (6)
TRL_FG2_OS2 (6)
R60 9100/RE7
R61 560K/J3
R62 9100/RE7
R63 560K/J3
R64 9100/RE7
R65 560K/J3
R66 9100/RE7
R67 560K/J3
R68 22K/RE7
R69 82K/J3
R70 22K/RE7
R71 82K/J3
R72 22K/RE7
R73 82K/J3
R74 22K/RE7
R75 82K/J3
R76 27K/RE7
R77 27K/RE7
R78 27K/RE7
R79 27K/RE7
C61 0.1 F1H1C104A042
C62 0.1 F1H1C104A042
C63 0.1 F1H1C104A042
C64 0.1 F1H1C104A042
R80 22K/RE7
R81 22K/RE7
C60 0.01/UBV
IC151 C0ABBB000179
+9VA
C69 0.1/UFV
C75 0.1/UFV
IC61 NJM4580V-TE1
R82 470K/J3
C65 PAT/UV
R83 470K/J3
C66 PAT/UV
IC62 NJM4580V-TE1
C76 0.1/UFV
R84 470K/J3
C67 PAT/UV
R85 470K/J3
C68 PAT/UV
R86 2200/J3
R87 2200/J3
R88 2200/J3
R89 2200/J3
C70 1000P/UV
C71 1000P/UV
C72 1000P/UV
C73 1000P/UV
TP120 EYF6CU
TP122 EYF6CU
TP160 EYF6CU
TP162 EYF6CU
R90 5600/J3
R91 5600/J3
R92 5600/J3
R93 5600/J3
C74 0.1/UFV
R94 220K/J3
R96 220K/J3
C77 0.1/UFV
R95 220K/J3
R97 220K/J3
IC63 NJM2903V-TE1
IC64 NJM2903V-TE1
R98 5600/J3
R99 27K/J3
R106 18K/J3
R100 5600/J3
R102 27K/J3
R107 18K/J3
R101 5600/J3
R103 27K/J3
R108 18K/J3
R104 5600/J3
R105 27K/J3
R109 18K/J3
IC103 C0JBAZ000994
TP121 EYF6CU
TP123 EYF6CU
TP161 EYF6CU
TP163 EYF6CU
(5) SRL_FG1
(5) SRL_FG2
(5) TRL_FG1
(5) TRL_FG2
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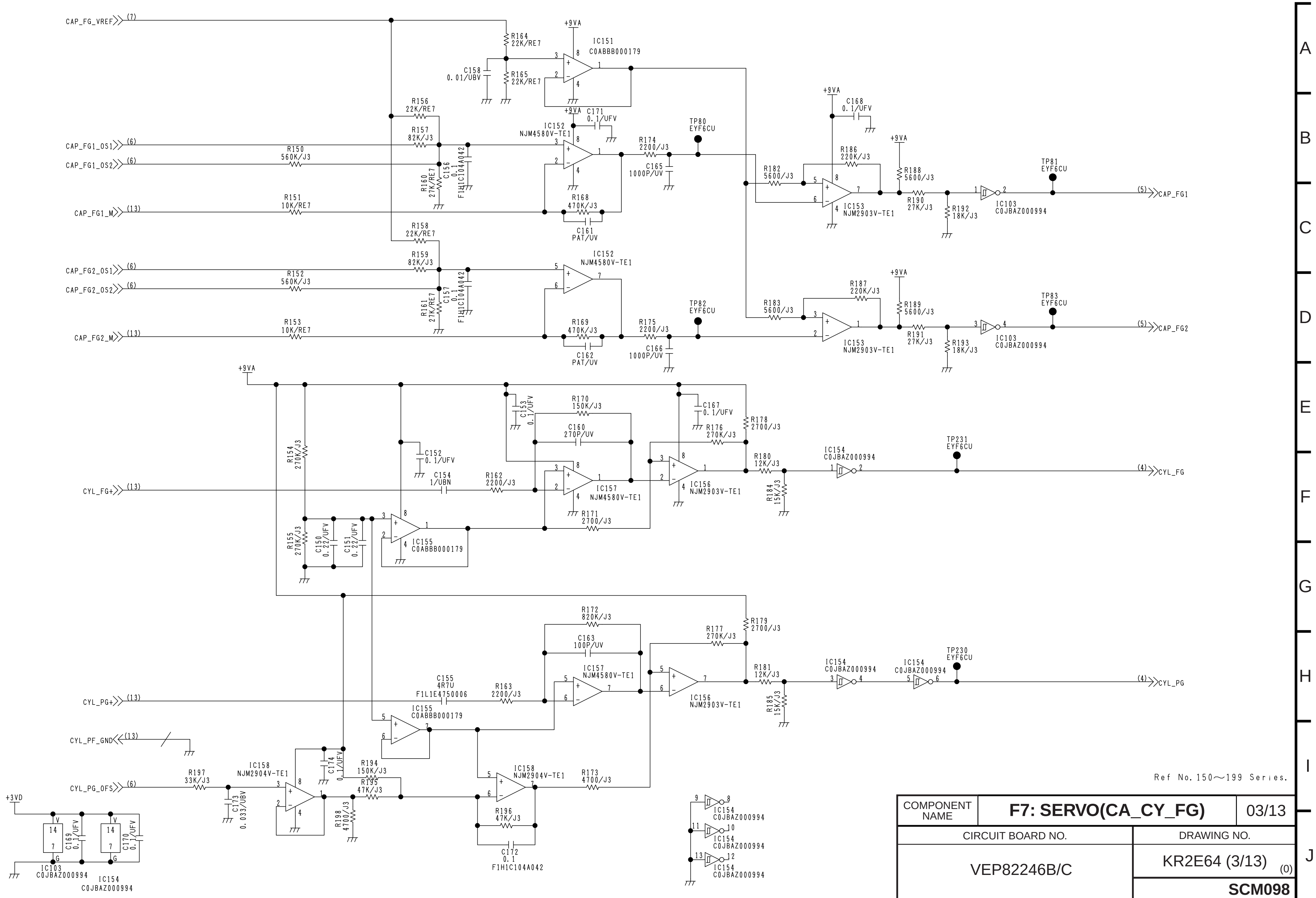
Ref No. 60～149 Series.

COMPONENT NAME	**F7: SERVO(REEL_FG)**	02/13
CIRCUIT BOARD NO.	DRAWING NO.	
VEP82246B/C	KR2E64 (2/13) (0)	
	SCM097	


CAP_FG_VREF (7)
CAP_FG1_OS1 (6)
CAP_FG1_OS2 (6)
CAP_FG1_M (13)
CAP_FG2_OS1 (6)
CAP_FG2_OS2 (6)
CAP_FG2_M (13)
CYL_FG+ (13)
CYL_PG+ (13)
CYL_PF_GND (13)
CYL_PG_OFS (6)
(5) CAP_FG1
(5) CAP_FG2
(4) CYL_FG
(4) CYL_PG
+9VA
+3VD
IC151 C0ABBB000179
IC152 NJM4580V-TE1
IC153 NJM2903V-TE1
IC103 C0JBAZ000994
IC154 C0JBAZ000994
IC155 C0ABBB000179
IC156 NJM2903V-TE1
IC157 NJM4580V-TE1
IC158 NJM2904V-TE1
R164 22K/RE7
R165 22K/RE7
C158 0.01/UBV
R156 22K/RE7
R157 82K/J3
R150 560K/J3
R160 27K/RE7
C156 0.1 F1H1C104A042
C171 0.1/UFV
R174 2200/J3
C165 1000P/UV
TP80 EYF6CU
R151 10K/RE7
R168 470K/J3
C161 PAT/UV
R158 22K/RE7
R159 82K/J3
R152 560K/J3
R161 27K/RE7
C157 0.1 F1H1C104A042
R153 10K/RE7
R169 470K/J3
C162 PAT/UV
R175 2200/J3
C166 1000P/UV
TP82 EYF6CU
C168 0.1/UFV
R186 220K/J3
R182 5600/J3
R188 5600/J3
R190 27K/J3
R192 18K/J3
TP81 EYF6CU
R187 220K/J3
R183 5600/J3
R189 5600/J3
R191 27K/J3
R193 18K/J3
TP83 EYF6CU
R154 270K/J3
C152 0.1/UFV
C154 1/UBN
R162 2200/J3
C153 0.1/UFV
R170 150K/J3
C160 270P/UV
R171 2700/J3
C167 0.1/UFV
R176 270K/J3
R178 2700/J3
R180 12K/J3
R184 15K/J3
TP231 EYF6CU
R155 270K/J3
C150 0.22/UFV
C151 0.22/UFV
R172 820K/J3
C163 100P/UV
R177 270K/J3
R179 2700/J3
C155 4R7U F1L1E4750006
R163 2200/J3
R181 12K/J3
R185 15K/J3
TP230 EYF6CU
R197 33K/J3
C173 0.033/UBV
C174 0.1/UFV
R194 150K/J3
R195 47K/J3
R198 4700/J3
R196 47K/J3
C172 0.1 F1H1C104A042
R173 4700/J3
C169 0.1/UFV
C170 0.1/UFV
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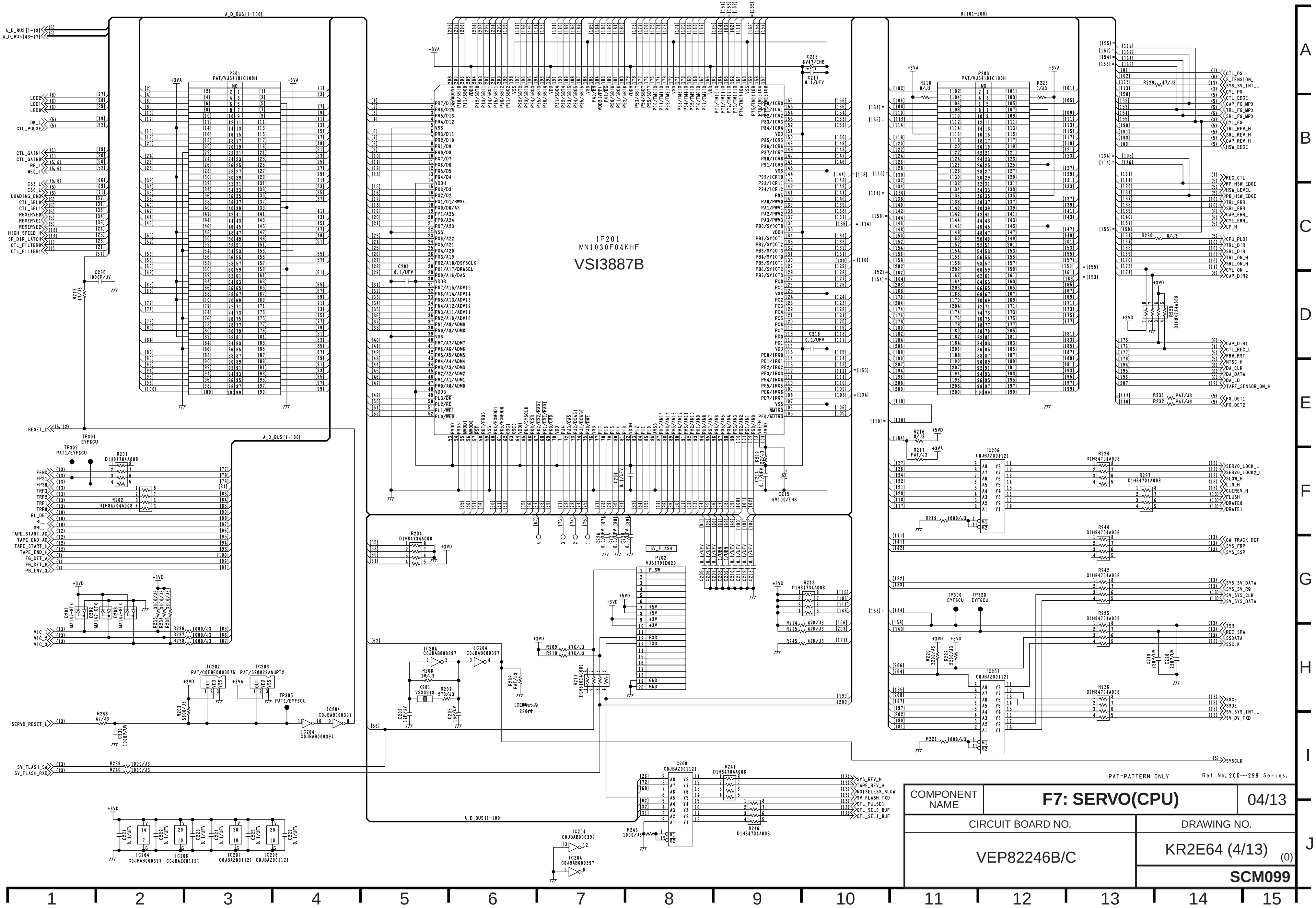
Ref No.150～199 Series.

COMPONENT NAME	F7: SERVO(CA_CY_FG)	03/13
CIRCUIT BOARD NO.	DRAWING NO.	
VEP82246B/C	KR2E64 (3/13) (0)	
	SCM098	


A_D_BUS[1-18]
A_D_BUS[43-47]
A_D_BUS[1-100]
B[101-208]
P201
PAT/VJS4181C100H
P203
PAT/VJS4181C100H
IP201
MN1030F04KHF
VSI3887B
LED2
LED1
LED0
DK_L
CTL_PULSE
CTL_GAIN1
CTL_GAIN0
RE_L
WE0_L
CS3_L
CS0_L
LOADING_END
CTL_SEL0
CTL_SEL1
RESERVE0
RESERVE1
RESERVE2
HIGH_SPEED_H
SP_DIR_LATCH
CTL_FILTER0
CTL_FILTER1
RESET_L
TP301
EYF6CU
TP302
PAT1/EYF6CU
R201
D1H84704A008
R202
D1H84704A008
FEND
FPS1
FPS0
TRP3
TRP2
TRP1
TRP0
RL_DET
TRL_L
SRL_L
TAPE_START_AD
TAPE_END_AD
TAPE_START_H
TAPE_END_H
FG_DET_A
FG_DET_B
PB_ENV_3
MIC_1
MIC_2
MIC_3
D201
D202
D203
MA147-GTX
R236 1000/J3
R237 1000/J3
R238 1000/J3
IC202
PAT/C0EBE0000075
IC203
PAT/S80829ANUPT2
TP305
PAT1/EYF6CU
IC204
C0JBAB000397
R248
47/J3
C231
1000P/UV
R203
5600/J3
SERVO_RESET_L
SV_FLASH_SW
SV_FLASH_RXD
R239 1000/J3
R240 1000/J3
C230
1000P/UV
R247
47/J3
C221
C222
C223
C224
C225
C229
0.1/UFV
IC206
C0JBAZ001121
IC207
C0JBAZ001121
IC208
C0JBAZ001121
C201
0.1/UFV
R204
D1H84734A008
R206
1M/J3
X201
VSX0918
R207
270/J3
C202
12P/UV
C203
R208
ICE時のみ
220付
SV_FLASH
P202
VJS3791D020
F_SW
+5V
+3V
RXD
TXD
GND
R209 47K/J3
R210 47K/J3
R211
D1H81040001
C204
C205
C206
C207
C208
C209
C210
C211
C212
C213
R213
D1H84734A008
R214 47K/J3
R215 47K/J3
R245 47K/J3
R243
1000/J3
R241
D1H84704A008
R246
D1H84704A008
SYS_REV_H
TAPE_REV_H
NOISELESS_SLOW
SV_FLASH_TXD
CTL_PULSE1
CTL_SEL0_BUF
CTL_SEL1_BUF
C216
6V47/EHB
C217
0.1/UFV
C218
0.1/UFV
C214
0.1/UFV
C215
6V100/EHB
R212
R218
0/J3
R223
0/J3
R229 47/J3
R230 0/J3
R231 PAT/J3
R232 PAT/J3
R228
D1H84734A008
CTL_OS
S_TENSION_
SYS_SV_INT_L
CYL_PG
CTL_EDGE
CAP_FG_MPX
TRL_FG_MPX
SRL_FG_MPX
CYL_FG
TRL_REV_H
SRL_REV_H
CAP_REV_H
HSW_EDGE
REC_CTL
RP_HSW_EDGE
HSW_LEVEL
PB_HSW_EDGE
TRL_ERR
SRL_ERR
CAP_ERR_
CYL_ERR_
LP_H
CPU_PLD1
TRL_DIR
SRL_DIR
TRL_ON_H
SRL_ON_H
CYL_ON_L
CAP_DIR2
CAP_DIR1
CTL_REC_L
FRM_RST
NTSC_H
DA_CLK
DA_DATA
DA_LD
TAPE_SENSOR_ON_H
FG_DET1
FG_DET2
R216
0/J3
R217
PAT/J3
IC206
C0JBAZ001121
R224
D1H84704A008
R227
D1H84704A008
SERVO_LOCK_L
SERVO_LOCK2_L
SLOW_H
LIM_H
CUEREV_H
FLUSH
DRATE0
DRATE1
R219 1000/J3
R244
D1H84704A008
CW_TRACK_DET
SYS_FRP
SYS_SSP
R242
D1H84704A008
SYS_SV_DATA
SYS_SV_RQ
SV_SYS_CLK
SV_SYS_DATA
TP300
EYF6CU
TP320
EYF6CU
R225
D1H84704A008
TSR
REC_SPA
SSDATA
SSCLK
R220
2200/J3
R222
2200/J3
C219
220P/UV
C220
220P/UV
IC207
C0JBAZ001121
R226
D1H84704A008
SSCE
SSDE
SV_SYS_INT_L
SV_DV_TXD
R221 1000/J3
SYSCLK
+3VA
+3VD
+5VD
A
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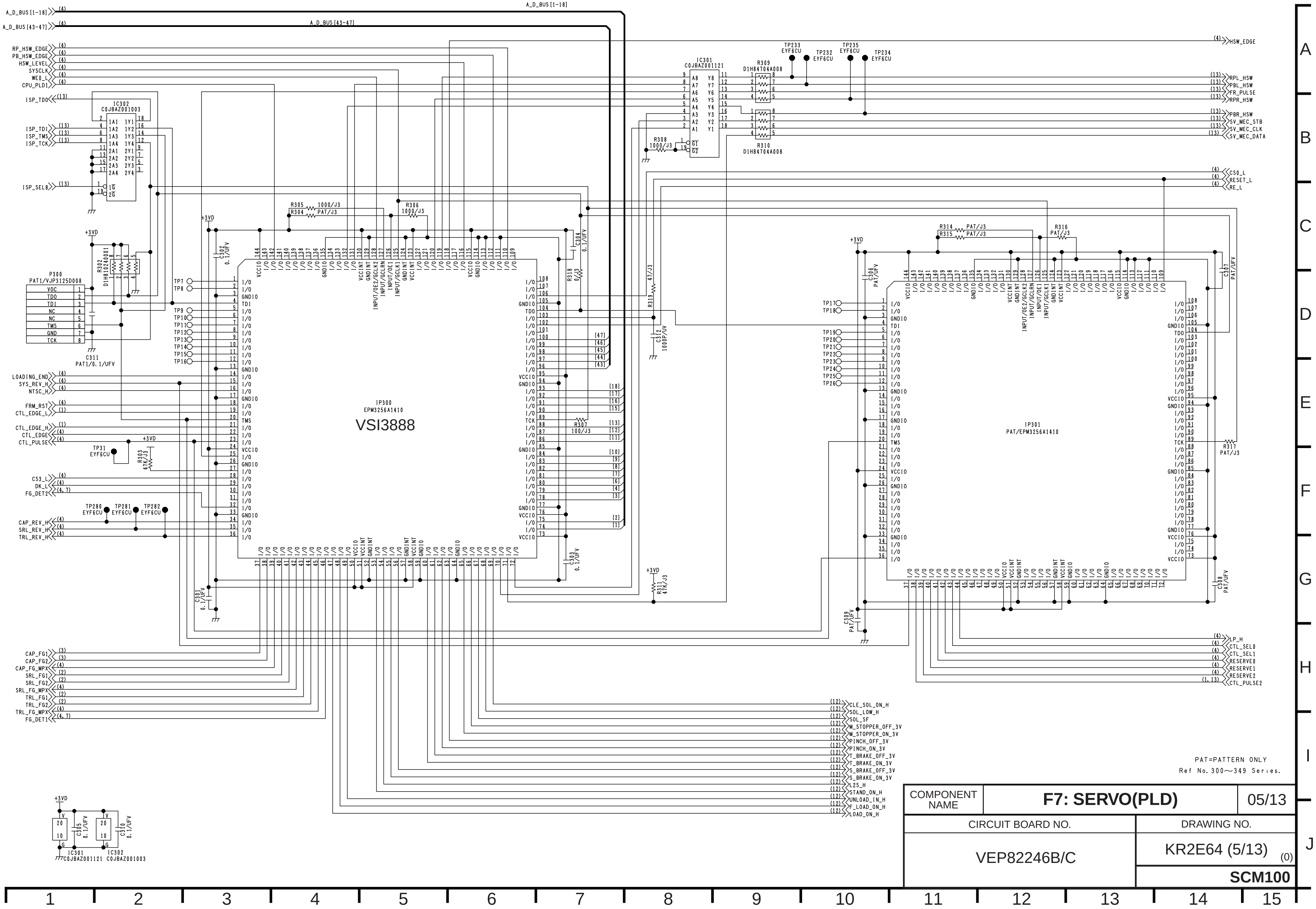
PAT=PATTERN ONLY

Ref No. 200～299 Series.

COMPONENT NAME	F7: SERVO(CPU)	04/13
CIRCUIT BOARD NO.	DRAWING NO.	
VEP82246B/C	KR2E64 (4/13) (0)	
	SCM099	


A_D_BUS[1-18]
A_D_BUS[43-47]
RP_HSW_EDGE
PB_HSW_EDGE
HSW_LEVEL
SYSCLK
WEO_L
CPU_PLD1
ISP_TDO
ISP_TDI
ISP_TMS
ISP_TCK
ISP_SEL8
IC302
C0JBAZ001003
IC301
C0JBAZ001121
R309
D1H84704A008
R310
D1H84704A008
R308
1000/J3
TP233
TP232
TP235
TP234
EYF6CU
HSW_EDGE
RPL_HSW
PBL_HSW
FR_PULSE
RPR_HSW
PBR_HSW
SV_MEC_STB
SV_MEC_CLK
SV_MEC_DATA
CS0_L
RESET_L
RE_L
P300
PAT1/VJP3125D008
VCC
TDO
TDI
NC
NC
TMS
GND
TCK
R302
D1H81024001
C311
PAT1/0.1/UFV
+3VD
R305
1000/J3
R304
PAT/J3
R306
1000/J3
C302
0.1/UFV
C304
0.1/UFV
R318
0/J3
R319
47/J3
C312
1000P/UV
R307
100/J3
C303
0.1/UFV
C301
0.1/UFV
R311
47K/J3
R303
47K/J3
IP300
EPM3256A1410
VSI3888
IP301
PAT/EPM3256A1410
R314
PAT/J3
R315
PAT/J3
R316
PAT/J3
R317
PAT/J3
C306
PAT/UFV
C307
PAT/UFV
C308
PAT/UFV
C309
PAT/UFV
TP7
TP8
TP9
TP10
TP11
TP12
TP13
TP14
TP15
TP16
TP17
TP18
TP19
TP20
TP21
TP22
TP23
TP24
TP25
TP26
TP31
TP280
TP281
TP282
LOADING_END
SYS_REV_H
NTSC_H
FRM_RST
CTL_EDGE_L
CTL_EDGE_H
CTL_EDGE
CTL_PULSE
CS3_L
DK_L
FG_DET2
CAP_REV_H
SRL_REV_H
TRL_REV_H
CAP_FG1
CAP_FG2
CAP_FG_MPX
SRL_FG1
SRL_FG2
SRL_FG_MPX
TRL_FG1
TRL_FG2
TRL_FG_MPX
FG_DET1
LP_H
CTL_SEL0
CTL_SEL1
RESERVE0
RESERVE1
RESERVE2
CTL_PULSE2
CLE_SOL_ON_H
SOL_LOW_H
SOL_SF
M_STOPPER_OFF_3V
M_STOPPER_ON_3V
PINCH_OFF_3V
PINCH_ON_3V
T_BRAKE_OFF_3V
T_BRAKE_ON_3V
S_BRAKE_OFF_3V
S_BRAKE_ON_3V
L2S_H
STAND_ON_H
UNLOAD_IN_H
F_LOAD_ON_H
LOAD_ON_H
C305
0.1/UFV
C310
0.1/UFV
IC301
C0JBAZ001121
IC302
C0JBAZ001003
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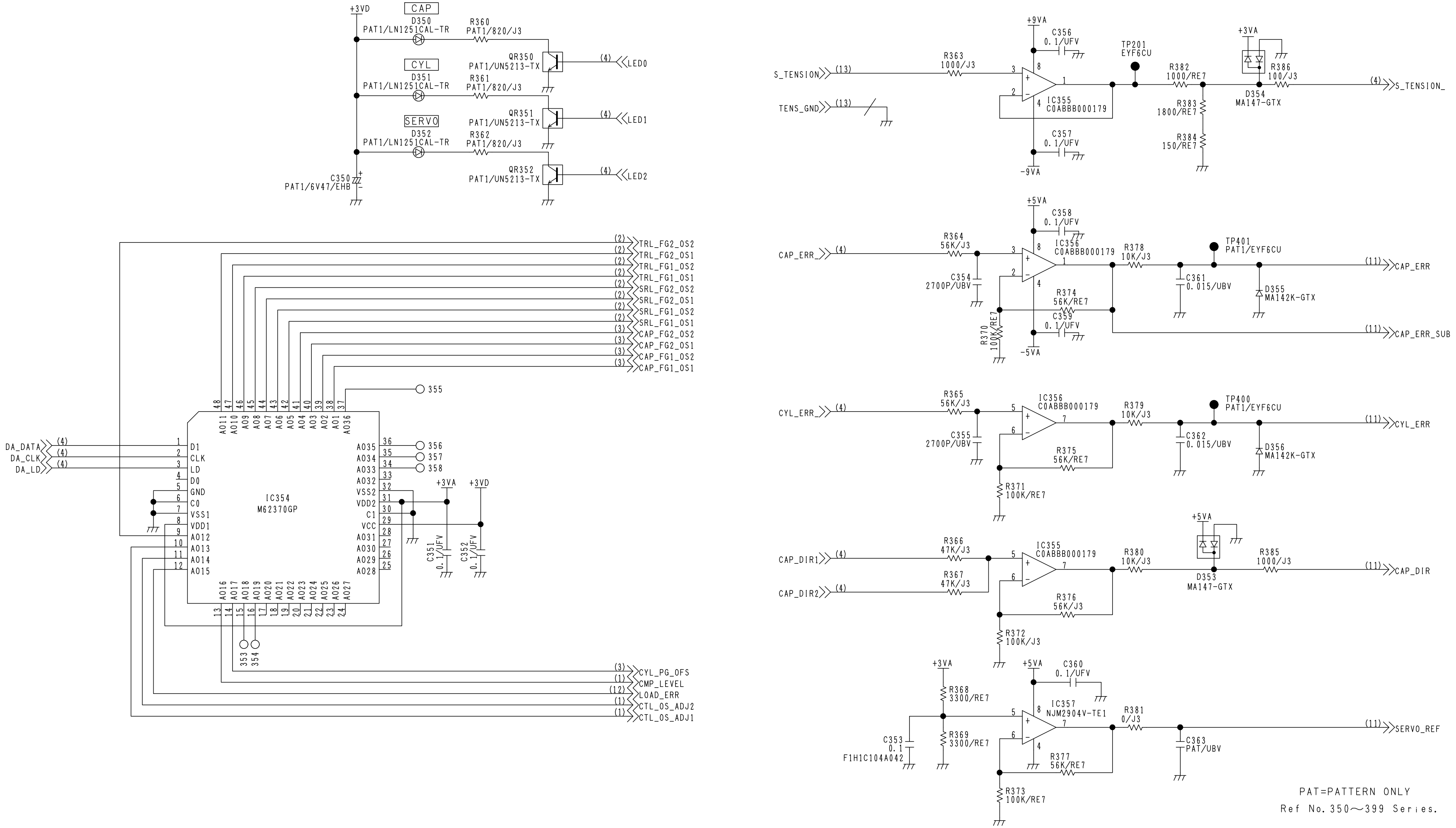
PAT=PATTERN ONLY

Ref No.300～349 Series.

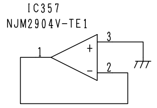
COMPONENT NAME	F7: SERVO(PLD)	05/13

CIRCUIT BOARD NO.	DRAWING NO.
VEP82246B/C	KR2E64 (5/13) (0)
	SCM100

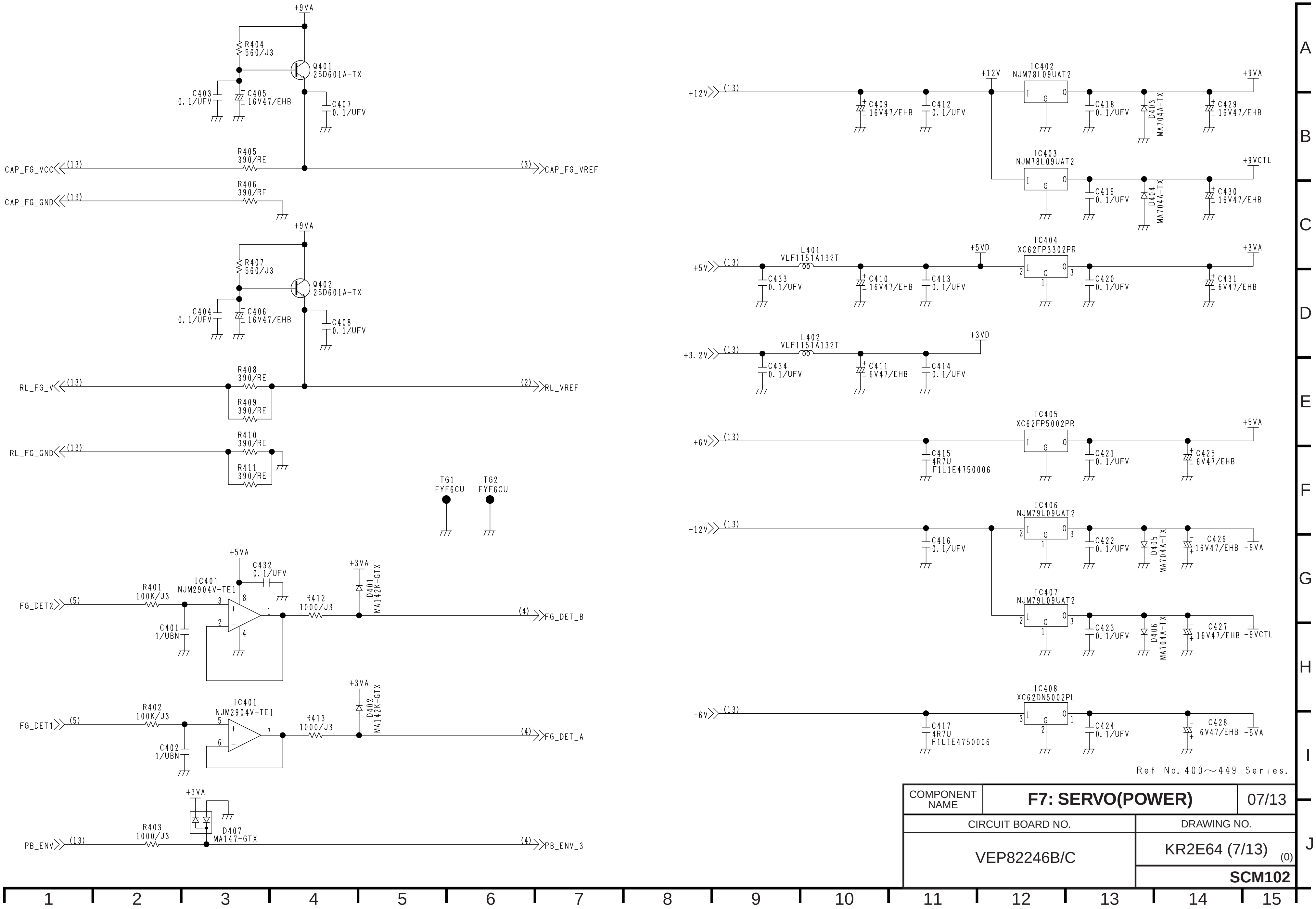

+3VD
CAP
D350
PAT1/LN1251CAL-TR
R360
PAT1/820/J3
QR350
PAT1/UN5213-TX
(4) LED0
CYL
D351
PAT1/LN1251CAL-TR
R361
PAT1/820/J3
QR351
PAT1/UN5213-TX
(4) LED1
SERVO
D352
PAT1/LN1251CAL-TR
R362
PAT1/820/J3
QR352
PAT1/UN5213-TX
(4) LED2
C350
PAT1/6V47/EHB
(2) TRL_FG2_OS2
(2) TRL_FG2_OS1
(2) TRL_FG1_OS2
(2) TRL_FG1_OS1
(2) SRL_FG2_OS2
(2) SRL_FG2_OS1
(2) SRL_FG1_OS2
(2) SRL_FG1_OS1
(3) CAP_FG2_OS2
(3) CAP_FG2_OS1
(3) CAP_FG1_OS2
(3) CAP_FG1_OS1
355
DA_DATA (4)
DA_CLK (4)
DA_LD (4)
IC354
M62370GP
D1
CLK
LD
D0
GND
C0
VSS1
VDD1
AO12
AO13
AO14
AO15
AO35
AO34
AO33
AO32
VSS2
VDD2
C1
VCC
AO31
AO30
AO29
AO28
AO11
AO10
AO9
AO8
AO7
AO6
AO5
AO4
AO3
AO2
AO1
AO36
AO16
AO17
AO18
AO19
AO20
AO21
AO22
AO23
AO24
AO25
AO26
AO27
356
357
358
353
354
+3VA
+3VD
C351
0.1/UFV
C352
0.1/UFV
(3) CYL_PG_OFS
(1) CMP_LEVEL
(12) LOAD_ERR
(1) CTL_OS_ADJ2
(1) CTL_OS_ADJ1
+9VA
C356
0.1/UFV
TP201
EYF6CU
S_TENSION (13)
TENS_GND (13)
R363
1000/J3
IC355
C0ABBB000179
C357
0.1/UFV
-9VA
R382
1000/RE7
R383
1800/RE7
R384
150/RE7
+3VA
D354
MA147-GTX
R386
100/J3
(4) S_TENSION_
+5VA
C358
0.1/UFV
CAP_ERR (4)
R364
56K/J3
C354
2700P/UBV
IC356
C0ABBB000179
R378
10K/J3
TP401
PAT1/EYF6CU
C361
0.015/UBV
D355
MA142K-GTX
(11) CAP_ERR
R374
56K/RE7
C359
0.1/UFV
R370
100K/RE7
-5VA
(11) CAP_ERR_SUB
CYL_ERR (4)
R365
56K/J3
C355
2700P/UBV
IC356
C0ABBB000179
R379
10K/J3
TP400
PAT1/EYF6CU
C362
0.015/UBV
D356
MA142K-GTX
(11) CYL_ERR
R375
56K/RE7
R371
100K/RE7
+5VA
CAP_DIR1 (4)
CAP_DIR2 (4)
R366
47K/J3
R367
47K/J3
IC355
C0ABBB000179
R380
10K/J3
D353
MA147-GTX
R385
1000/J3
(11) CAP_DIR
R376
56K/J3
R372
100K/J3
+3VA
+5VA
C360
0.1/UFV
R368
3300/RE7
R369
3300/RE7
C353
0.1
F1H1C104A042
IC357
NJM2904V-TE1
R381
0/J3
C363
PAT/UBV
(11) SERVO_REF
R377
56K/RE7
R373
100K/RE7

PAT=PATTERN ONLY

Ref No.350～399 Series.


IC357
NJM2904V-TE1
1
2
3

COMPONENT NAME	F7: SERVO(CPU_IF)	06/13
CIRCUIT BOARD NO.	DRAWING NO.	
VEP82246B/C	KR2E64 (6/13) (0)	
	SCM101	


+9VA
R404 560/J3
Q401 2SD601A-TX
C403 0.1/UFV
C405 16V47/EHB
C407 0.1/UFV
R405 390/RE
CAP_FG_VCC (13)
(3) CAP_FG_VREF
R406 390/RE
CAP_FG_GND (13)
+9VA
R407 560/J3
Q402 2SD601A-TX
C404 0.1/UFV
C406 16V47/EHB
C408 0.1/UFV
R408 390/RE
R409 390/RE
RL_FG_V (13)
(2) RL_VREF
R410 390/RE
R411 390/RE
RL_FG_GND (13)
TG1 EYF6CU
TG2 EYF6CU
+5VA
C432 0.1/UFV
IC401 NJM2904V-TE1
R401 100K/J3
FG_DET2 (5)
C401 1/UBN
+3VA
D401 MA142K-GTX
R412 1000/J3
(4) FG_DET_B
IC401 NJM2904V-TE1
R402 100K/J3
FG_DET1 (5)
C402 1/UBN
+3VA
D402 MA142K-GTX
R413 1000/J3
(4) FG_DET_A
+3VA
D407 MA147-GTX
R403 1000/J3
PB_ENV (13)
(4) PB_ENV_3
+12V (13)
C409 16V47/EHB
C412 0.1/UFV
+12V
IC402 NJM78L09UAT2
C418 0.1/UFV
D403 MA704A-TX
C429 16V47/EHB
+9VA
IC403 NJM78L09UAT2
C419 0.1/UFV
D404 MA704A-TX
C430 16V47/EHB
+9VCTL
+5V (13)
L401 VLF1151A132T
C433 0.1/UFV
C410 16V47/EHB
C413 0.1/UFV
+5VD
IC404 XC62FP3302PR
C420 0.1/UFV
C431 6V47/EHB
+3VA
+3.2V (13)
L402 VLF1151A132T
C434 0.1/UFV
C411 6V47/EHB
C414 0.1/UFV
+3VD
+6V (13)
C415 4R7U F1L1E4750006
IC405 XC62FP5002PR
C421 0.1/UFV
C425 6V47/EHB
+5VA
-12V (13)
C416 0.1/UFV
IC406 NJM79L09UAT2
C422 0.1/UFV
D405 MA704A-TX
C426 16V47/EHB
-9VA
IC407 NJM79L09UAT2
C423 0.1/UFV
D406 MA704A-TX
C427 16V47/EHB
-9VCTL
-6V (13)
C417 4R7U F1L1E4750006
IC408 XC62DN5002PL
C424 0.1/UFV
C428 6V47/EHB
-5VA
A
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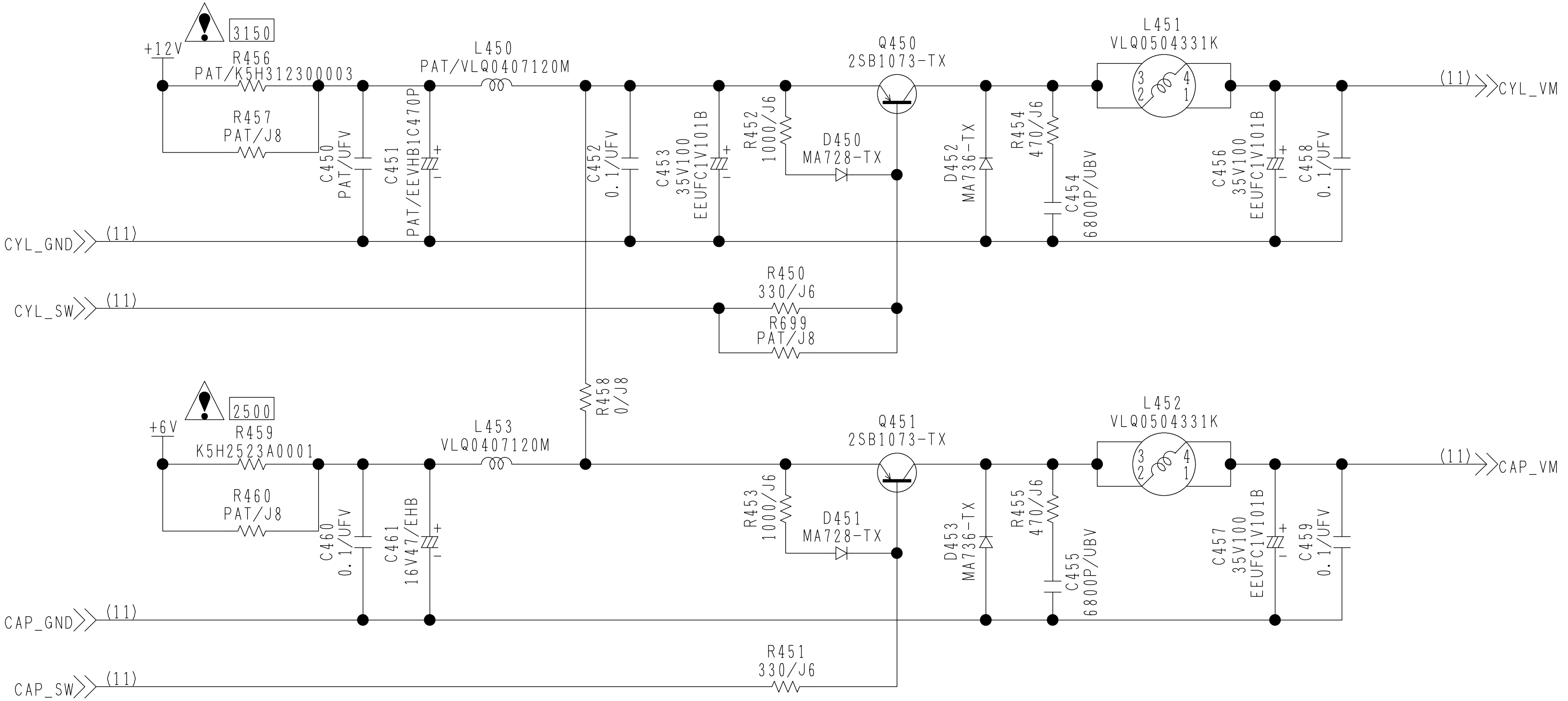
Ref No. 400〜449 Series.

COMPONENT NAME	F7: SERVO(POWER)	07/13
CIRCUIT BOARD NO.	DRAWING NO.	
VEP82246B/C	KR2E64 (7/13) (0)	
	SCM102	


3150
+12V
R456
PAT/K5H312300003
R457
PAT/J8
C450
PAT/UFV
C451
PAT/EEVHB1C470P
L450
PAT/VLQ0407120M
C452
0.1/UFV
C453
35V100
EEUFC1V101B
R452
1000/J6
D450
MA728-TX
Q450
2SB1073-TX
D452
MA736-TX
R454
470/J6
C454
6800P/UBV
L451
VLQ0504331K
3
4
2
1
C456
35V100
EEUFC1V101B
C458
0.1/UFV
(11)
CYL_VM
CYL_GND
(11)
CYL_SW
(11)
R450
330/J6
R699
PAT/J8
R458
0/J8
2500
+6V
R459
K5H2523A0001
R460
PAT/J8
C460
0.1/UFV
C461
16V47/EHB
L453
VLQ0407120M
R453
1000/J6
D451
MA728-TX
Q451
2SB1073-TX
D453
MA736-TX
R455
470/J6
C455
6800P/UBV
L452
VLQ0504331K
3
4
2
1
C457
35V100
EEUFC1V101B
C459
0.1/UFV
(11)
CAP_VM
CAP_GND
(11)
CAP_SW
(11)
R451
330/J6

PAT=PATTERN ONLY

Ref No.450 Series.

IMPORTANT SAFETY NOTICE:
COMPONENTS IDENTIFIED WITH THE MARK ⚠ HAVE THE SPECIAL CHARACTERISTICS FOR SAFETY.
WHEN REPLACING ANY OF THESE COMPONENTS, USE ONLY THE SAME TYPE.

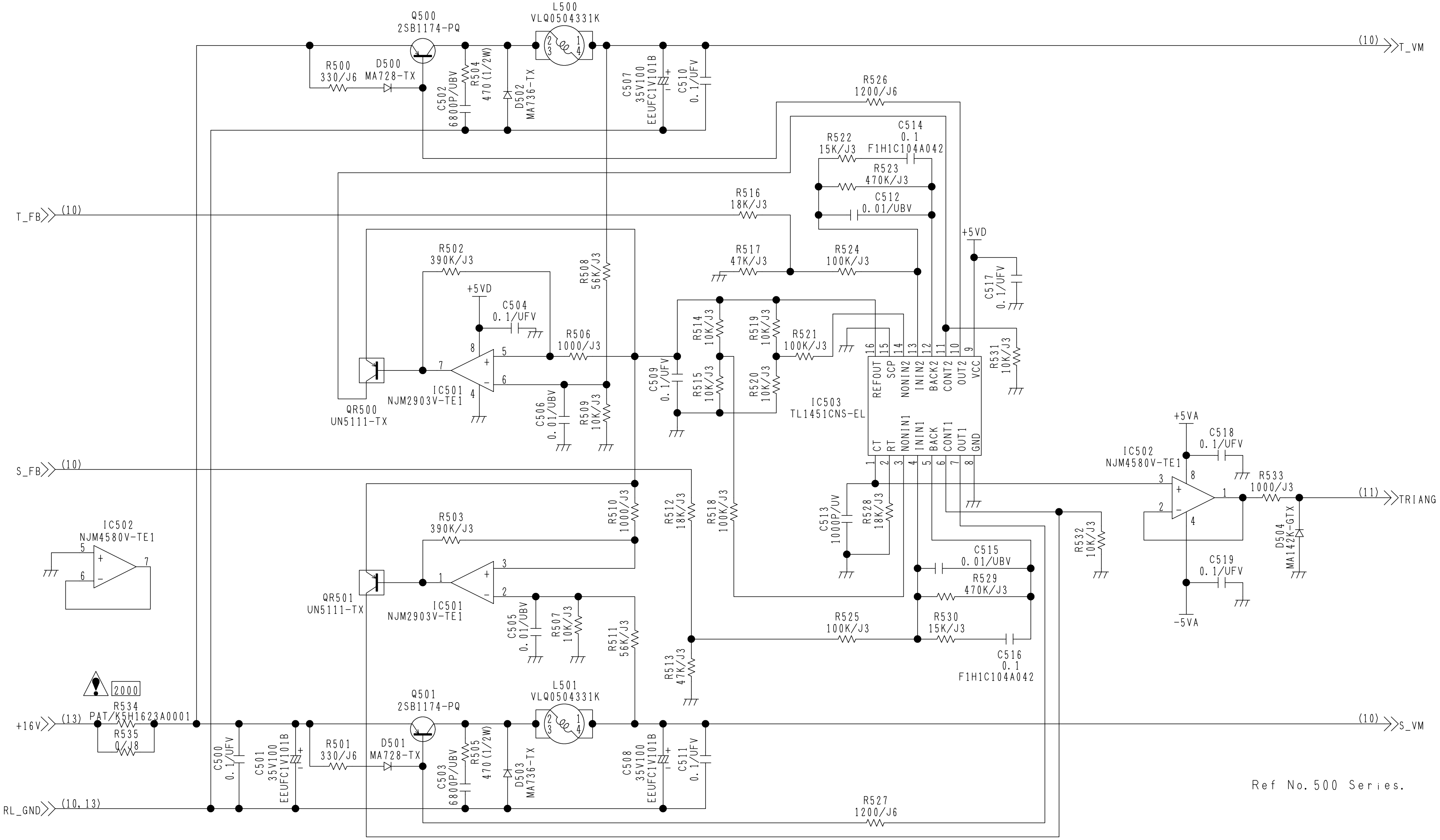
⚠ 警 告

⚠ 印の部品は安全上重要な部品です。
交換するときは、安全上および性能維持のため
必ず指定の部品をご使用ください。

COMPONENT NAME	F7: SERVO(SW2)	08/13
CIRCUIT BOARD NO.	DRAWING NO.	
VEP82246B/C	KR2E64 (8/13) (0)	
	SCM103	

A B C D E F G H I J

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

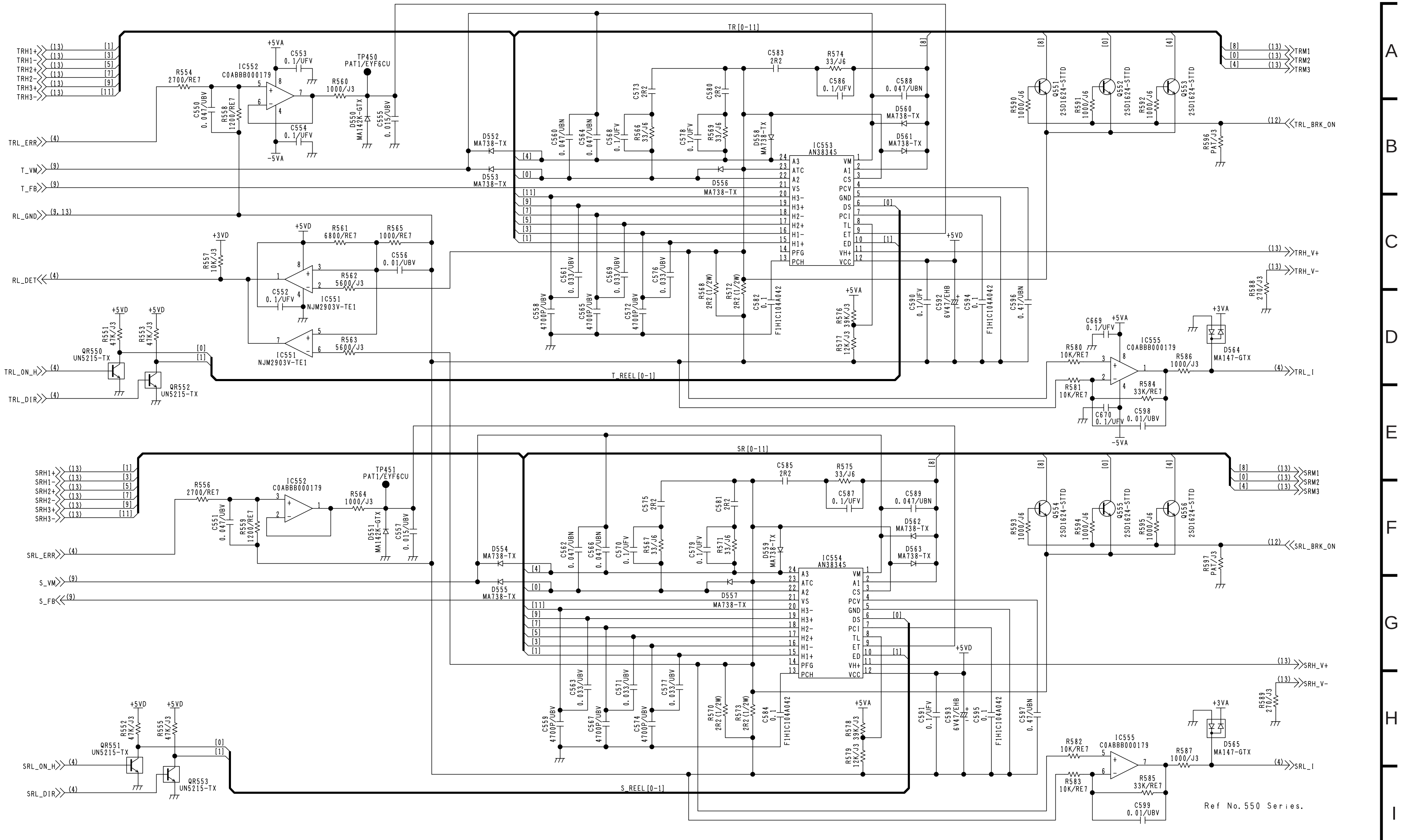

Q500
2SB1174-PQ
L500
VLQ0504331K
(10) T_VM
R500
330/J6
D500
MA728-TX
C502
6800P/UBV
R504
470(1/2W)
D502
MA736-TX
C507
35V100
EEUFC1V101B
C510
0.1/UFV
R526
1200/J6
C514
0.1
F1H1C104A042
R522
15K/J3
R523
470K/J3
C512
0.01/UBV
T_FB (10)
R516
18K/J3
+5VD
R502
390K/J3
R508
56K/J3
R517
47K/J3
R524
100K/J3
C517
0.1/UFV
+5VD
C504
0.1/UFV
R506
1000/J3
R514
10K/J3
R519
10K/J3
R521
100K/J3
R531
10K/J3
QR500
UN5111-TX
IC501
NJM2903V-TE1
C506
0.01/UBV
R509
10K/J3
C509
0.1/UFV
R515
10K/J3
R520
10K/J3
IC503
TL1451CNS-EL
REFOUT
SCP
NONIN2
ININ2
BACK2
CONT2
OUT2
VCC
CT
RT
NONIN1
ININ1
BACK
CONT1
OUT1
GND
+5VA
C518
0.1/UFV
IC502
NJM4580V-TE1
R533
1000/J3
(11) TRIANG
S_FB (10)
R510
1000/J3
R512
18K/J3
R518
100K/J3
C513
1000P/UV
R528
18K/J3
R532
10K/J3
D504
MA142K-GTX
IC502
NJM4580V-TE1
R503
390K/J3
C515
0.01/UBV
R529
470K/J3
C519
0.1/UFV
QR501
UN5111-TX
IC501
NJM2903V-TE1
C505
0.01/UBV
R507
10K/J3
R511
56K/J3
R525
100K/J3
R530
15K/J3
-5VA
C516
0.1
F1H1C104A042
R513
47K/J3
2000
R534
PAT/K5H1623A0001
Q501
2SB1174-PQ
L501
VLQ0504331K
+16V (13)
R535
0/J8
(10) S_VM
C500
0.1/UFV
C501
35V100
EEUFC1V101B
R501
330/J6
D501
MA728-TX
C503
6800P/UBV
R505
470(1/2W)
D503
MA736-TX
C508
35V100
EEUFC1V101B
C511
0.1/UFV
RL_GND (10,13)
R527
1200/J6
Ref No.500 Series.

IMPORTANT SAFETY NOTICE:
COMPONENTS IDENTIFIED WITH THE MARK ⚠ HAVE THE SPECIAL CHARACTERISTICS FOR SAFETY.
WHEN REPLACING ANY OF THESE COMPONENTS, USE ONLY THE SAME TYPE.

⚠ 警 告

⚠ 印の部品は安全上重要な部品です。
交換するときは、安全上および性能維持のため
必ず指定の部品をご使用ください。

COMPONENT NAME	F7: SERVO(SW1)	09/13
CIRCUIT BOARD NO.	DRAWING NO.	
VEP82246B/C	KR2E64 (9/13) (0)	
	SCM104	


TRH1+
TRH1-
TRH2+
TRH2-
TRH3+
TRH3-
TRL_ERR
T_VM
T_FB
RL_GND
RL_DET
TRL_ON_H
TRL_DIR
TR[0-11]
T_REEL[0-1]
IC552 C0ABBB000179
IC551 NJM2903V-TE1
IC553 AN3834S
TP450 PAT1/EYF6CU
D550 MA142K-GTX
D552 MA738-TX
D553 MA738-TX
D556 MA738-TX
D558 MA738-TX
D560 MA738-TX
D561 MA738-TX
QR550 UN5215-TX
QR552 UN5215-TX
Q551 2SD1624-STTD
Q552 2SD1624-STTD
Q553 2SD1624-STTD
TRM1
TRM2
TRM3
TRL_BRK_ON
TRH_V+
TRH_V-
IC555 C0ABBB000179
D564 MA147-GTX
TRL_I
SRH1+
SRH1-
SRH2+
SRH2-
SRH3+
SRH3-
SRL_ERR
S_VM
S_FB
SRL_ON_H
SRL_DIR
SR[0-11]
S_REEL[0-1]
IC554 AN3834S
TP451 PAT1/EYF6CU
D551 MA142K-GTX
D554 MA738-TX
D555 MA738-TX
D557 MA738-TX
D559 MA738-TX
D562 MA738-TX
D563 MA738-TX
QR551 UN5215-TX
QR553 UN5215-TX
Q554 2SD1624-STTD
Q555 2SD1624-STTD
Q556 2SD1624-STTD
SRM1
SRM2
SRM3
SRL_BRK_ON
SRH_V+
SRH_V-
D565 MA147-GTX
SRL_I
Ref No. 550 Series.
+5VA
-5VA
+5VD
+3VD
+3VA
A
B
C
D
E
F
G
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J
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5
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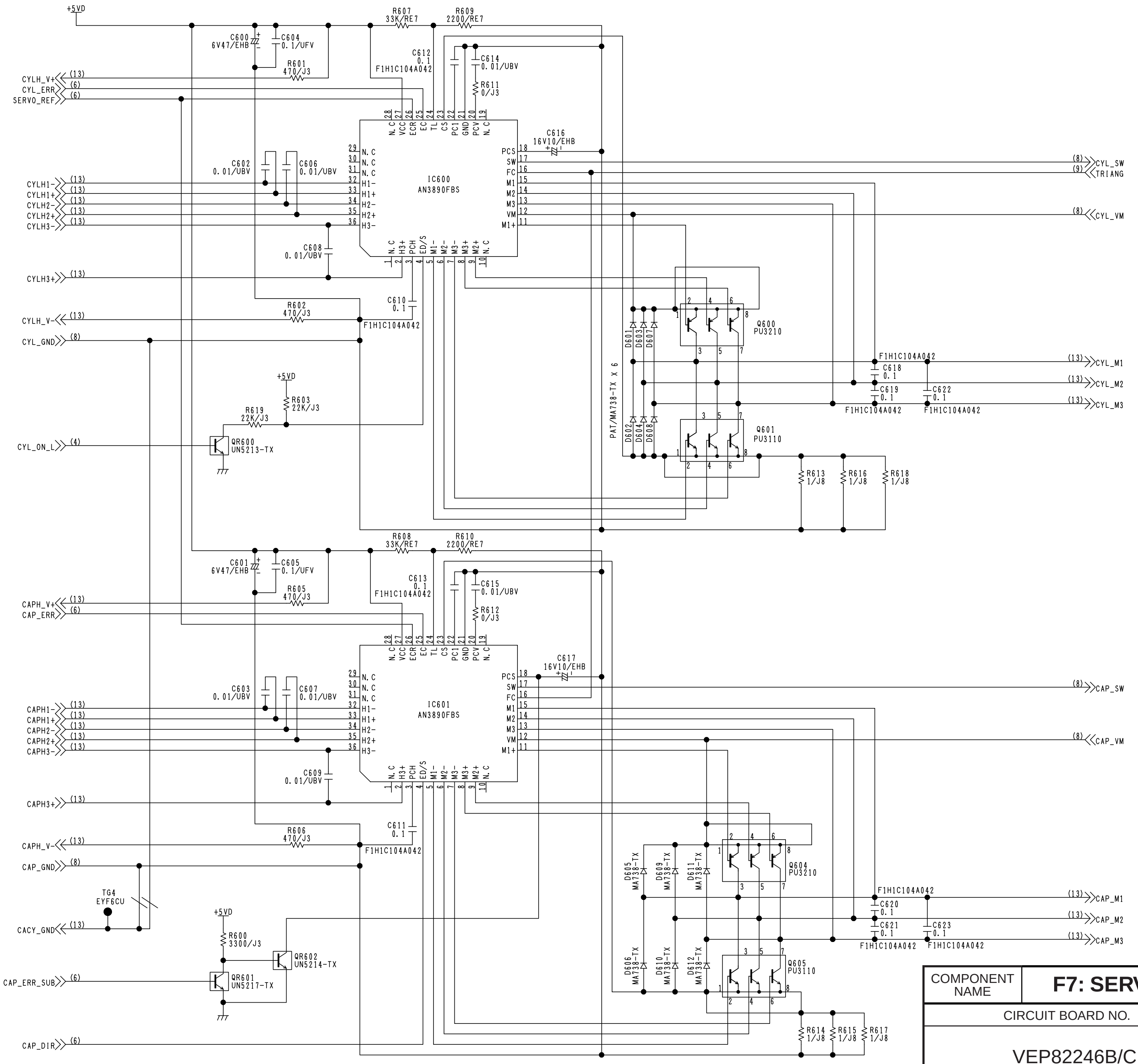
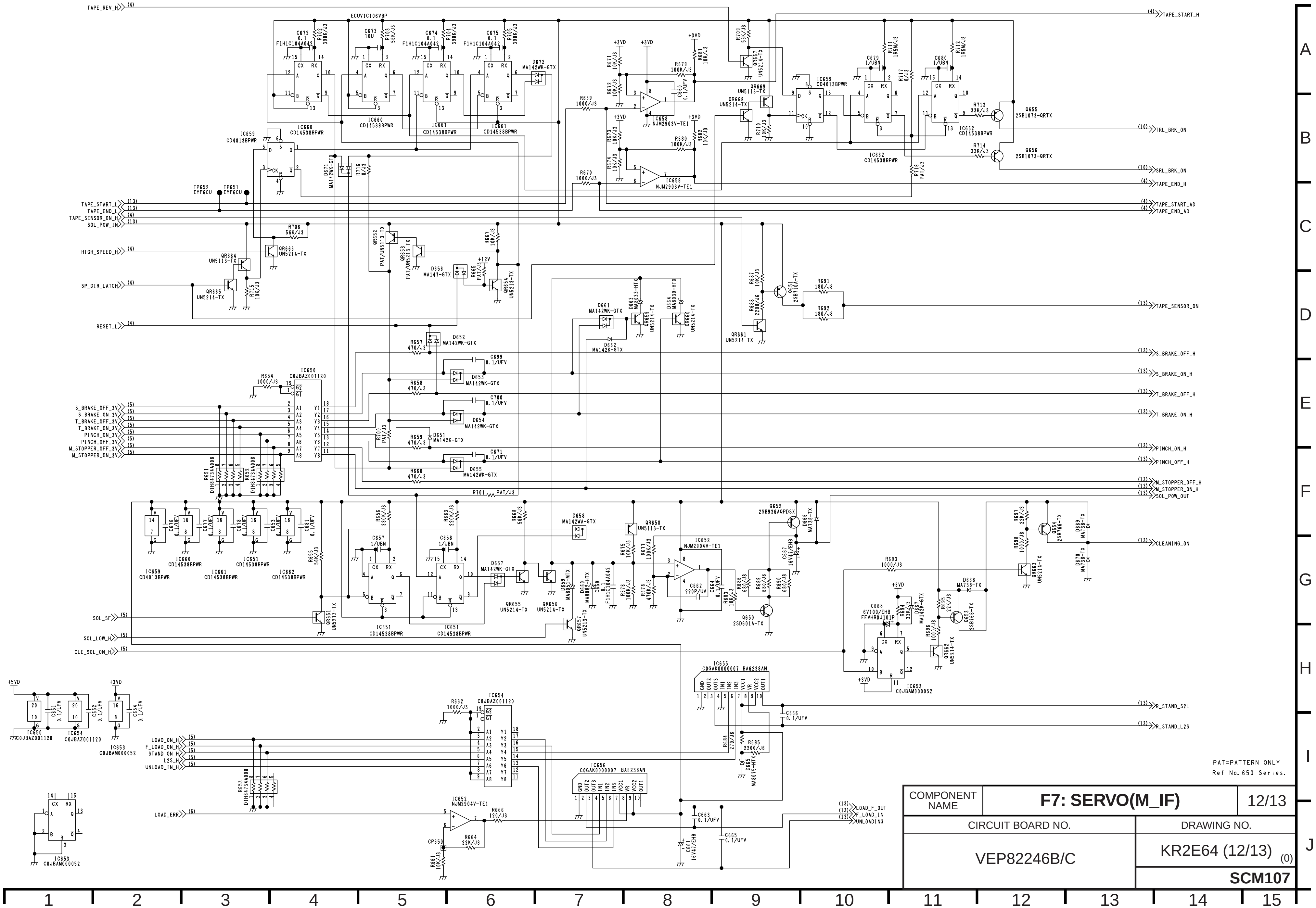
COMPONENT NAME	F7: SERVO(RL_DRV)	10/13
CIRCUIT BOARD NO.	DRAWING NO.	
VEP82246B/C	KR2E64 (10/13) (0)	
	SCM105	


+5VD
R607 33K/RE7
R609 2200/RE7
C600 6V47/EHB
C604 0.1/UFV
R601 470/J3
C612 0.1 F1H1C104A042
C614 0.01/UBV
R611 0/J3
CYLH_V+ (13)
CYL_ERR (6)
SERVO_REF (6)
C616 16V10/EHB
IC600 AN3890FBS
C602 0.01/UBV
C606 0.01/UBV
CYLH1- (13)
CYLH1+ (13)
CYLH2- (13)
CYLH2+ (13)
CYLH3- (13)
C608 0.01/UBV
CYLH3+ (13)
C610 0.1
R602 470/J3
F1H1C104A042
CYLH_V- (13)
CYL_GND (8)
R603 22K/J3
R619 22K/J3
CYL_ON_L (4)
QR600 UN5213-TX
CYL_SW (8)
TRIANG (9)
CYL_VM (8)
Q600 PU3210
Q601 PU3110
D601 D603 D607
D602 D604 D608
PAT/MA738-TX X 6
C618 0.1
C619 0.1
C622 0.1
F1H1C104A042
CYL_M1 (13)
CYL_M2 (13)
CYL_M3 (13)
R613 1/J8
R616 1/J8
R618 1/J8
R608 33K/RE7
R610 2200/RE7
C601 6V47/EHB
C605 0.1/UFV
R605 470/J3
C613 0.1 F1H1C104A042
C615 0.01/UBV
R612 0/J3
CAPH_V+ (13)
CAP_ERR (6)
C617 16V10/EHB
IC601 AN3890FBS
C603 0.01/UBV
C607 0.01/UBV
CAPH1- (13)
CAPH1+ (13)
CAPH2- (13)
CAPH2+ (13)
CAPH3- (13)
C609 0.01/UBV
CAPH3+ (13)
C611 0.1
R606 470/J3
CAPH_V- (13)
CAP_GND (8)
TG4 EYF6CU
CACY_GND (13)
R600 3300/J3
QR601 UN5217-TX
QR602 UN5214-TX
CAP_ERR_SUB (6)
CAP_DIR (6)
CAP_SW (8)
CAP_VM (8)
Q604 PU3210
Q605 PU3110
D605 MA738-TX
D609 MA738-TX
D611 MA738-TX
D606 MA738-TX
D610 MA738-TX
D612 MA738-TX
C620 0.1
C621 0.1
C623 0.1
CAP_M1 (13)
CAP_M2 (13)
CAP_M3 (13)
R614 1/J8
R615 1/J8
R617 1/J8
N.C VCC ECR EC TL CS PC1 GND PCV N.C
PCS SW FC M1 M2 M3 VM M1+
N.C N.C N.C H1- H1+ H2- H2+ H3-
N.C H3+ PCH ED/S M1- M2- M3- M3+ M2+ N.C
A B C D E F G H I J
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

Ref No. 600 Series.

COMPONENT NAME	F7: SERVO(CA_CY_DRV)	11/13
CIRCUIT BOARD NO.	DRAWING NO.	
VEP82246B/C	KR2E64 (11/13) (0)	
	SCM106	


TAPE_REV_H
TAPE_START_L
TAPE_END_L
TAPE_SENSOR_ON_H
SOL_POW_IN
HIGH_SPEED_H
SP_DIR_LATCH
RESET_L
S_BRAKE_OFF_3V
S_BRAKE_ON_3V
T_BRAKE_OFF_3V
T_BRAKE_ON_3V
PINCH_ON_3V
PINCH_OFF_3V
M_STOPPER_OFF_3V
M_STOPPER_ON_3V
SOL_SF
SOL_LOW_H
CLE_SOL_ON_H
LOAD_ON_H
F_LOAD_ON_H
STAND_ON_H
L2S_H
UNLOAD_IN_H
LOAD_ERR
TAPE_START_H
TRL_BRK_ON
SRL_BRK_ON
TAPE_END_H
TAPE_START_AD
TAPE_END_AD
TAPE_SENSOR_ON
S_BRAKE_OFF_H
S_BRAKE_ON_H
T_BRAKE_OFF_H
T_BRAKE_ON_H
PINCH_ON_H
PINCH_OFF_H
M_STOPPER_OFF_H
M_STOPPER_ON_H
SOL_POW_OUT
CLEANING_ON
R_STAND_S2L
R_STAND_L2S
LOAD_F_OUT
F_LOAD_IN
UNLOADING
IC650 C0JBAZ001120
IC651 CD14538BPWR
IC652 NJM2904V-TE1
IC653 C0JBAM000052
IC654 C0JBAZ001120
IC655 C0GAK0000007 BA6238AN
IC656 C0GAK0000007 BA6238AN
IC658 NJM2903V-TE1
IC659 CD4013BPWR
IC660 CD14538BPWR
IC661 CD14538BPWR
IC662 CD14538BPWR
Q650 2SD601A-TX
Q651 2SB1110A-TX
Q652 2SB936AQPDSX
Q653 2SB766-TX
Q654 2SB766-TX
Q655 2SB1073-QRTX
Q656 2SB1073-QRTX
TP651 EYF6CU
TP652 EYF6CU
CP650
ECUV1C106VBP
+3VD
+5VD
+12V
1
2
3
4
5
6
7
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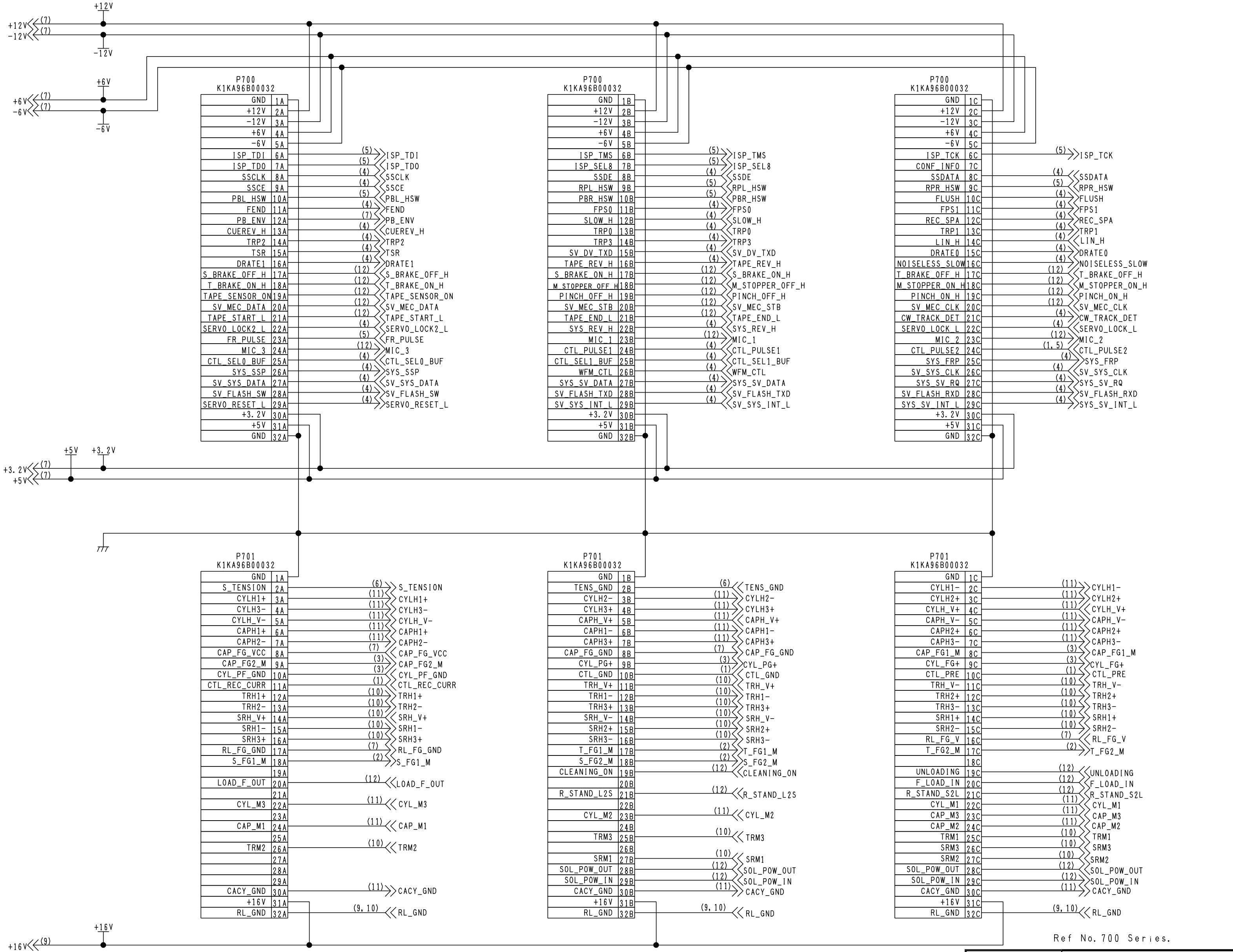
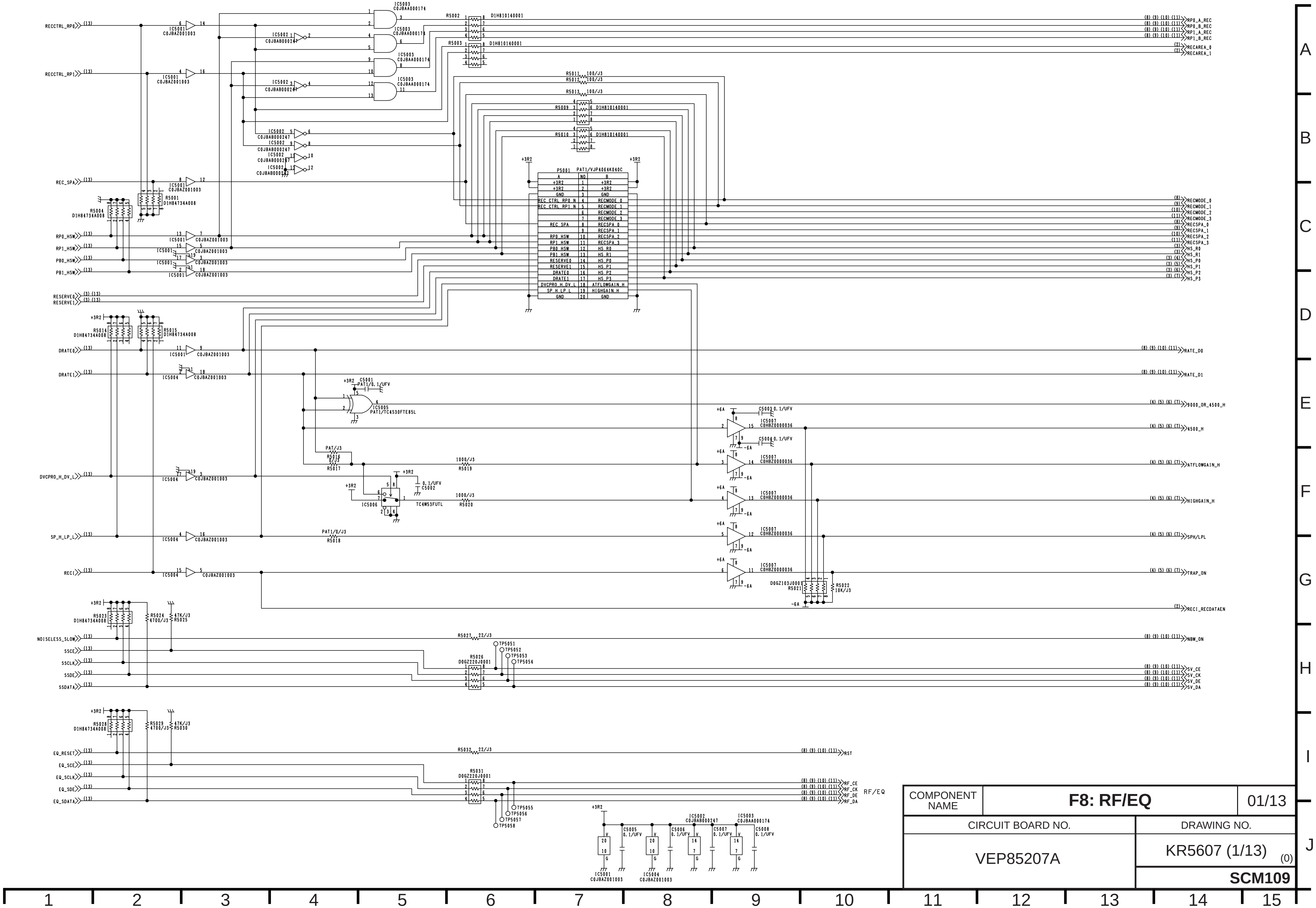
PAT=PATTERN ONLY
Ref No.650 Series.

COMPONENT NAME	F7: SERVO(M_IF)	12/13
CIRCUIT BOARD NO.	DRAWING NO.	
VEP82246B/C	KR2E64 (12/13) (0)	
	SCM107	


+12V (7)
-12V (7)
+12V
-12V
+6V (7)
-6V (7)
+6V
-6V
P700
K1KA96B00032
GND 1A
+12V 2A
-12V 3A
+6V 4A
-6V 5A
ISP_TDI 6A
ISP_TDO 7A
SSCLK 8A
SSCE 9A
PBL_HSW 10A
FEND 11A
PB_ENV 12A
CUEREV_H 13A
TRP2 14A
TSR 15A
DRATE1 16A
S_BRAKE_OFF_H 17A
T_BRAKE_ON_H 18A
TAPE_SENSOR_ON 19A
SV_MEC_DATA 20A
TAPE_START_L 21A
SERVO_LOCK2_L 22A
FR_PULSE 23A
MIC_3 24A
CTL_SEL0_BUF 25A
SYS_SSP 26A
SV_SYS_DATA 27A
SV_FLASH_SW 28A
SERVO_RESET_L 29A
+3.2V 30A
+5V 31A
GND 32A
(5) ISP_TDI
(5) ISP_TDO
(4) SSCLK
(4) SSCE
(5) PBL_HSW
(7) FEND
(4) PB_ENV
(4) CUEREV_H
(4) TRP2
(4) TSR
(4) DRATE1
(12) S_BRAKE_OFF_H
(12) T_BRAKE_ON_H
(12) TAPE_SENSOR_ON
(12) SV_MEC_DATA
(12) TAPE_START_L
(4) SERVO_LOCK2_L
(5) FR_PULSE
(12) MIC_3
(4) CTL_SEL0_BUF
(4) SYS_SSP
(4) SV_SYS_DATA
(4) SV_FLASH_SW
(4) SERVO_RESET_L
P700
K1KA96B00032
GND 1B
+12V 2B
-12V 3B
+6V 4B
-6V 5B
ISP_TMS 6B
ISP_SEL8 7B
SSDE 8B
RPL_HSW 9B
PBR_HSW 10B
FPS0 11B
SLOW_H 12B
TRP0 13B
TRP3 14B
SV_DV_TXD 15B
TAPE_REV_H 16B
S_BRAKE_ON_H 17B
M_STOPPER_OFF_H 18B
PINCH_OFF_H 19B
SV_MEC_STB 20B
TAPE_END_L 21B
SYS_REV_H 22B
MIC_1 23B
CTL_PULSE1 24B
CTL_SEL1_BUF 25B
WFM_CTL 26B
SYS_SV_DATA 27B
SV_FLASH_TXD 28B
SV_SYS_INT_L 29B
+3.2V 30B
+5V 31B
GND 32B
(5) ISP_TMS
(5) ISP_SEL8
(4) SSDE
(5) RPL_HSW
(5) PBR_HSW
(4) FPS0
(4) SLOW_H
(4) TRP0
(4) TRP3
(4) SV_DV_TXD
(4) TAPE_REV_H
(12) S_BRAKE_ON_H
(12) M_STOPPER_OFF_H
(12) PINCH_OFF_H
(12) SV_MEC_STB
(12) TAPE_END_L
(4) SYS_REV_H
(12) MIC_1
(4) CTL_PULSE1
(4) CTL_SEL1_BUF
(4) WFM_CTL
(4) SYS_SV_DATA
(4) SV_FLASH_TXD
(4) SV_SYS_INT_L
P700
K1KA96B00032
GND 1C
+12V 2C
-12V 3C
+6V 4C
-6V 5C
ISP_TCK 6C
CONF_INFO 7C
SSDATA 8C
RPR_HSW 9C
FLUSH 10C
FPS1 11C
REC_SPA 12C
TRP1 13C
LIN_H 14C
DRATE0 15C
NOISELESS_SLOW 16C
T_BRAKE_OFF_H 17C
M_STOPPER_ON_H 18C
PINCH_ON_H 19C
SV_MEC_CLK 20C
CW_TRACK_DET 21C
SERVO_LOCK_L 22C
MIC_2 23C
CTL_PULSE2 24C
SYS_FRP 25C
SV_SYS_CLK 26C
SYS_SV_RQ 27C
SV_FLASH_RXD 28C
SYS_SV_INT_L 29C
+3.2V 30C
+5V 31C
GND 32C
(5) ISP_TCK
(4) SSDATA
(5) RPR_HSW
(4) FLUSH
(4) FPS1
(4) REC_SPA
(4) TRP1
(4) LIN_H
(4) DRATE0
(4) NOISELESS_SLOW
(12) T_BRAKE_OFF_H
(12) M_STOPPER_ON_H
(12) PINCH_ON_H
(12) SV_MEC_CLK
(4) CW_TRACK_DET
(4) SERVO_LOCK_L
(12) MIC_2
(1, 5) CTL_PULSE2
(4) SYS_FRP
(4) SV_SYS_CLK
(4) SYS_SV_RQ
(4) SV_FLASH_RXD
(4) SYS_SV_INT_L
+5V
+3.2V
+3.2V (7)
+5V (7)
P701
K1KA96B00032
GND 1A
S_TENSION 2A
CYLH1+ 3A
CYLH3- 4A
CYLH_V- 5A
CAPH1+ 6A
CAPH2- 7A
CAP_FG_VCC 8A
CAP_FG2_M 9A
CYL_PF_GND 10A
CTL_REC_CURR 11A
TRH1+ 12A
TRH2- 13A
SRH_V+ 14A
SRH1- 15A
SRH3+ 16A
RL_FG_GND 17A
S_FG1_M 18A
19A
LOAD_F_OUT 20A
21A
CYL_M3 22A
23A
CAP_M1 24A
25A
TRM2 26A
27A
28A
29A
CACY_GND 30A
+16V 31A
RL_GND 32A
(6) S_TENSION
(11) CYLH1+
(11) CYLH3-
(11) CYLH_V-
(11) CAPH1+
(11) CAPH2-
(7) CAP_FG_VCC
(3) CAP_FG2_M
(3) CYL_PF_GND
(1) CTL_REC_CURR
(10) TRH1+
(10) TRH2-
(10) SRH_V+
(10) SRH1-
(10) SRH3+
(7) RL_FG_GND
(2) S_FG1_M
(12) LOAD_F_OUT
(11) CYL_M3
(11) CAP_M1
(10) TRM2
(11) CACY_GND
(9, 10) RL_GND
P701
K1KA96B00032
GND 1B
TENS_GND 2B
CYLH2- 3B
CYLH3+ 4B
CAPH_V+ 5B
CAPH1- 6B
CAPH3+ 7B
CAP_FG_GND 8B
CYL_PG+ 9B
CTL_GND 10B
TRH_V+ 11B
TRH1- 12B
TRH3+ 13B
SRH_V- 14B
SRH2+ 15B
SRH3- 16B
T_FG1_M 17B
S_FG2_M 18B
CLEANING_ON 19B
20B
R_STAND_L2S 21B
22B
CYL_M2 23B
24B
TRM3 25B
26B
SRM1 27B
SOL_POW_OUT 28B
SOL_POW_IN 29B
CACY_GND 30B
+16V 31B
RL_GND 32B
(6) TENS_GND
(11) CYLH2-
(11) CYLH3+
(11) CAPH_V+
(11) CAPH1-
(11) CAPH3+
(7) CAP_FG_GND
(3) CYL_PG+
(1) CTL_GND
(10) TRH_V+
(10) TRH1-
(10) TRH3+
(10) SRH_V-
(10) SRH2+
(10) SRH3-
(2) T_FG1_M
(2) S_FG2_M
(12) CLEANING_ON
(12) R_STAND_L2S
(11) CYL_M2
(10) TRM3
(10) SRM1
(12) SOL_POW_OUT
(12) SOL_POW_IN
(11) CACY_GND
(9, 10) RL_GND
P701
K1KA96B00032
GND 1C
CYLH1- 2C
CYLH2+ 3C
CYLH_V+ 4C
CAPH_V- 5C
CAPH2+ 6C
CAPH3- 7C
CAP_FG1_M 8C
CYL_FG+ 9C
CTL_PRE 10C
TRH_V- 11C
TRH2+ 12C
TRH3- 13C
SRH1+ 14C
SRH2- 15C
RL_FG_V 16C
T_FG2_M 17C
18C
UNLOADING 19C
F_LOAD_IN 20C
R_STAND_S2L 21C
CYL_M1 22C
CAP_M3 23C
CAP_M2 24C
TRM1 25C
SRM3 26C
SRM2 27C
SOL_POW_OUT 28C
SOL_POW_IN 29C
CACY_GND 30C
+16V 31C
RL_GND 32C
(11) CYLH1-
(11) CYLH2+
(11) CYLH_V+
(11) CAPH_V-
(11) CAPH2+
(11) CAPH3-
(3) CAP_FG1_M
(3) CYL_FG+
(1) CTL_PRE
(10) TRH_V-
(10) TRH2+
(10) TRH3-
(10) SRH1+
(10) SRH2-
(7) RL_FG_V
(2) T_FG2_M
(12) UNLOADING
(12) F_LOAD_IN
(12) R_STAND_S2L
(11) CYL_M1
(11) CAP_M3
(11) CAP_M2
(10) TRM1
(10) SRM3
(10) SRM2
(12) SOL_POW_OUT
(12) SOL_POW_IN
(11) CACY_GND
(9, 10) RL_GND
+16V
+16V (9)

Ref No. 700 Series.

COMPONENT NAME	F7: SERVO	13/13
CIRCUIT BOARD NO.	DRAWING NO.	
VEP82246B/C	KR2E64 (13/13) (0)	
	SCM108	


RECCTRL_RP0
RECCTRL_RP1
REC_SPA
RP0_HSW
RP1_HSW
PB0_HSW
PB1_HSW
RESERVE0
RESERVE1
DRATE0
DRATE1
DVCPRO_H_DV_L
SP_H_LP_L
RECI
NOISELESS_SLOW
SSCE
SSCLK
SSDE
SSDATA
EQ_RESET
EQ_SCE
EQ_SCLK
EQ_SDE
EQ_SDATA
IC5001 C0JBAZ001003
IC5002 C0JBAB000247
IC5003 C0JBAA000174
IC5004 C0JBAZ001003
IC5005 PAT1/TC4S30FTE85L
IC5006 TC4W53FUTL
IC5007 C0HBZ0000036
P5001 PAT1/VJP4064K040C
R5001 D1H84734A008
R5002 D1H810140001
R5003 D1H810140001
R5004 D1H84734A008
R5009 D1H810140001
R5010 D1H810140001
R5014 D1H84734A008
R5015 D1H84734A008
R5021 D0GZ103J0001
R5022 10K/J3
R5023 D1H84734A008
R5024 4700/J3
R5025 47K/J3
R5026 D0GZ220J0001
R5027 22/J3
R5028 D1H84734A008
R5029 4700/J3
R5030 47K/J3
R5031 D0GZ220J0001
R5032 22/J3
R5019 1000/J3
R5020 1000/J3
R5018 PAT1/0/J3
C5001 PAT1/0.1/UFV
C5002 0.1/UFV
C5003 0.1/UFV
C5004 0.1/UFV
C5005 0.1/UFV
C5006 0.1/UFV
C5007 0.1/UFV
C5008 0.1/UFV
TP5051
TP5052
TP5053
TP5054
TP5055
TP5056
TP5057
TP5058
+3R2
+6A
-6A
RP0_A_REC
RP0_B_REC
RP1_A_REC
RP1_B_REC
RECAREA_0
RECAREA_1
RECMODE_0
RECMODE_1
RECMODE_2
RECMODE_3
RECSPA_0
RECSPA_1
RECSPA_2
RECSPA_3
HS_R0
HS_R1
HS_P0
HS_P1
HS_P2
HS_P3
RATE_D0
RATE_D1
8000_OR_4500_H
4500_H
ATFLOWGAIN_H
HIGHGAIN_H
SPH/LPL
TRAP_ON
RECI_RECDATAEN
NBW_ON
SV_CE
SV_CK
SV_DE
SV_DA
RST
RF_CE
RF_CK
RF_DE
RF_DA
RF/EQ
A
B
C
D
E
F
G
H
I
J
1
2
3
4
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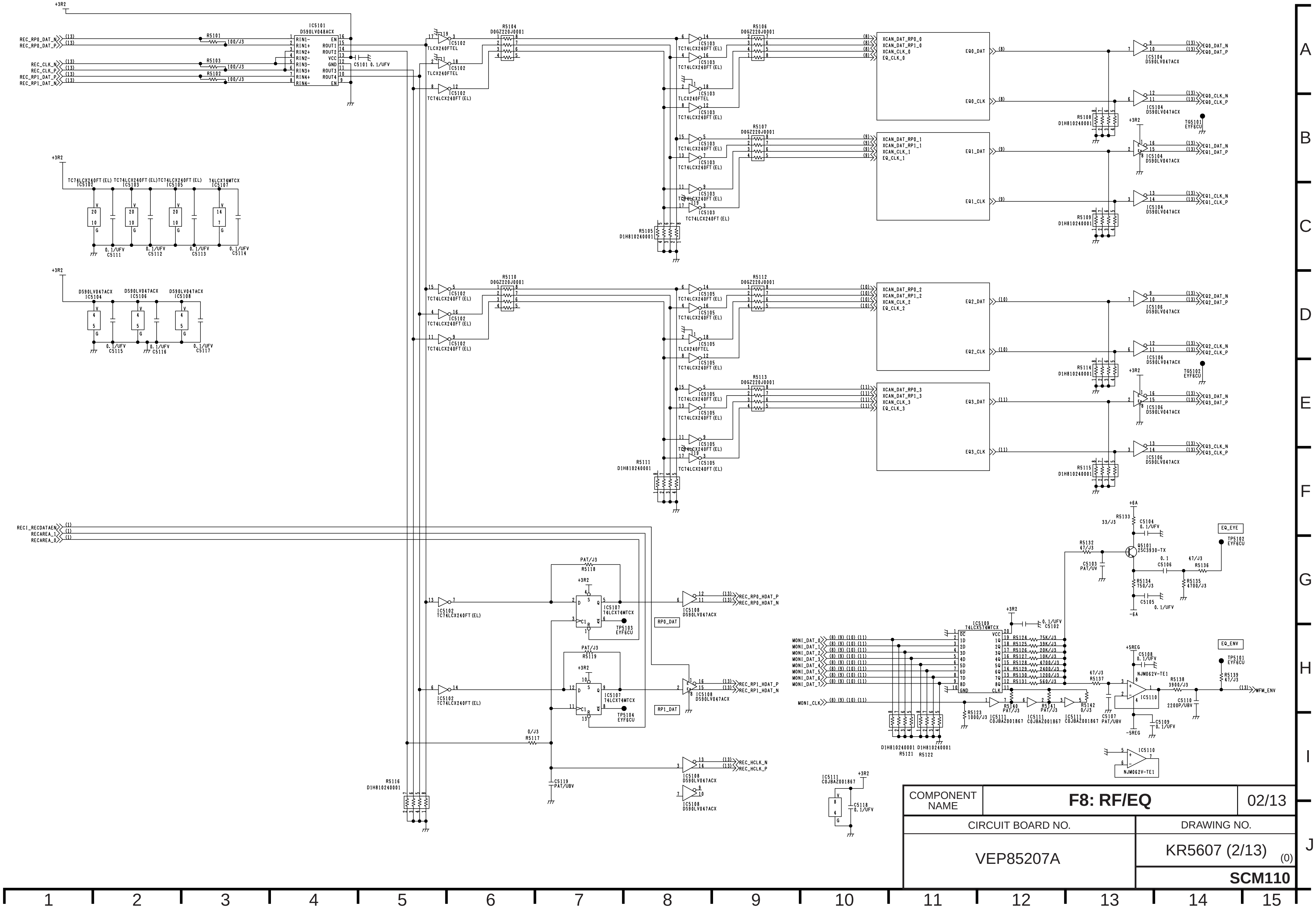
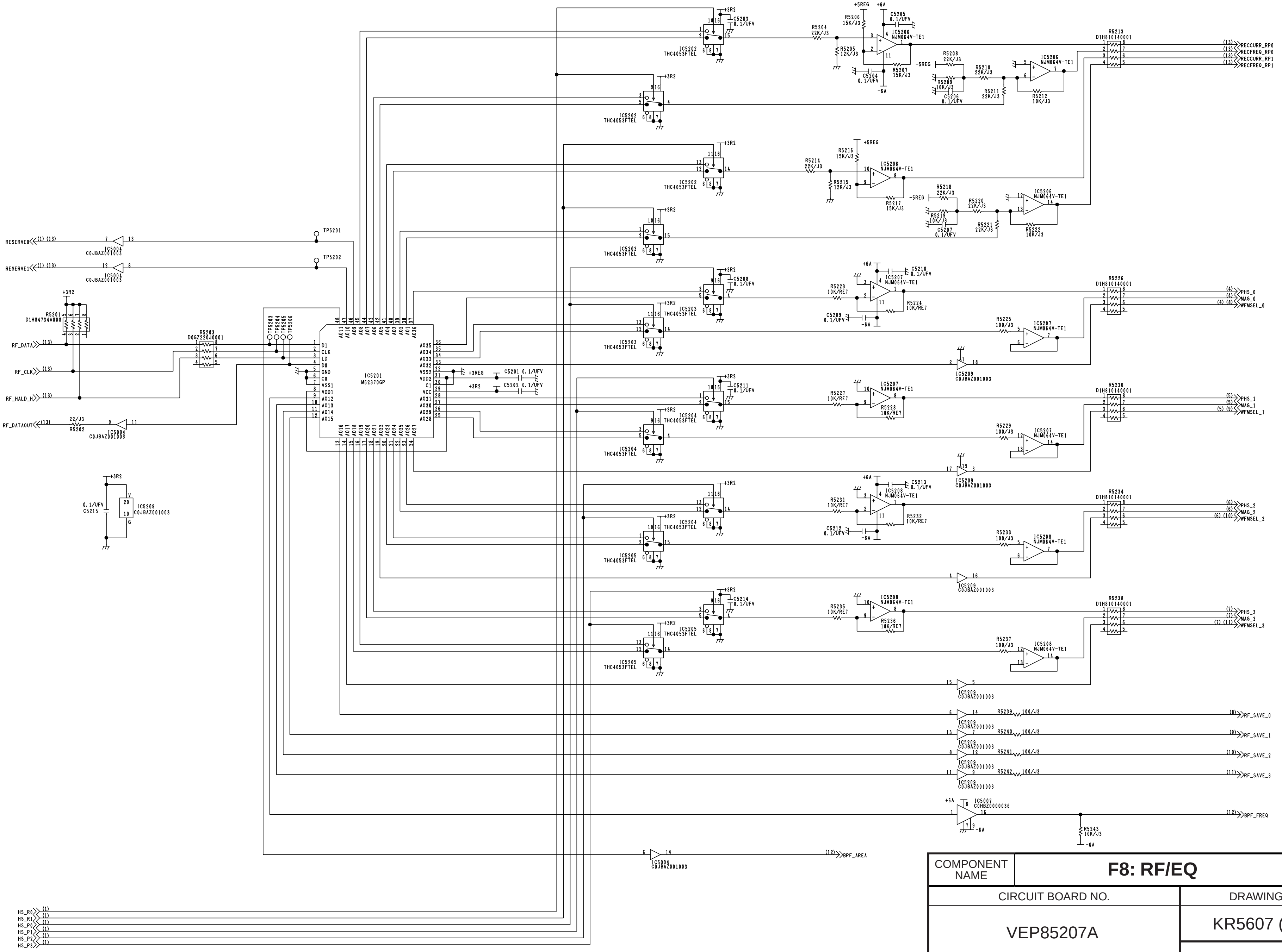
COMPONENT NAME	F8: RF/EQ	01/13
CIRCUIT BOARD NO.	DRAWING NO.	
VEP85207A	KR5607 (1/13) (0)	
	SCM109	


+3R2
REC_RP0_DAT_N
REC_RP0_DAT_P
REC_CLK_N
REC_CLK_P
REC_RP1_DAT_P
REC_RP1_DAT_N
R5101 100/J3
R5103 100/J3
R5102 100/J3
IC5101 DS90LV048ACX
C5101 0.1/UFV
IC5102 TLCX240FTEL
IC5102 TC74LCX240FT(EL)
R5104 D0GZ220J0001
R5106 D0GZ220J0001
R5107 D0GZ220J0001
R5110 D0GZ220J0001
R5112 D0GZ220J0001
R5113 D0GZ220J0001
IC5103 TC74LCX240FT(EL)
IC5105 TC74LCX240FT(EL)
R5105 D1H810240001
R5111 D1H810240001
R5116 D1H810240001
XCAN_DAT_RP0_0
XCAN_DAT_RP1_0
XCAN_CLK_0
EQ_CLK_0
EQ0_DAT
EQ0_CLK
XCAN_DAT_RP0_1
XCAN_DAT_RP1_1
XCAN_CLK_1
EQ_CLK_1
EQ1_DAT
EQ1_CLK
XCAN_DAT_RP0_2
XCAN_DAT_RP1_2
XCAN_CLK_2
EQ_CLK_2
EQ2_DAT
EQ2_CLK
XCAN_DAT_RP0_3
XCAN_DAT_RP1_3
XCAN_CLK_3
EQ_CLK_3
EQ3_DAT
EQ3_CLK
IC5104 DS90LV047ACX
IC5106 DS90LV047ACX
EQ0_DAT_N
EQ0_DAT_P
EQ0_CLK_N
EQ0_CLK_P
EQ1_DAT_N
EQ1_DAT_P
EQ1_CLK_N
EQ1_CLK_P
EQ2_DAT_N
EQ2_DAT_P
EQ2_CLK_N
EQ2_CLK_P
EQ3_DAT_N
EQ3_DAT_P
EQ3_CLK_N
EQ3_CLK_P
R5108 D1H810240001
R5109 D1H810240001
R5114 D1H810240001
R5115 D1H810240001
TG5101 EYF6CU
TG5102 EYF6CU
IC5107 74LCX74MTCX
C5111 0.1/UFV
C5112 0.1/UFV
C5113 0.1/UFV
C5114 0.1/UFV
C5115 0.1/UFV
C5116 0.1/UFV
C5117 0.1/UFV
IC5108 DS90LV047ACX
REC1_RECDATAEN
RECAREA_1
RECAREA_0
R5118 PAT/J3
R5119 PAT/J3
TP5103 EYF6CU
TP5104 EYF6CU
RP0_DAT
RP1_DAT
REC_RP0_HDAT_P
REC_RP0_HDAT_N
REC_RP1_HDAT_P
REC_RP1_HDAT_N
REC_HCLK_N
REC_HCLK_P
R5117 0/J3
C5119 PAT/UBV
MONI_DAT_0
MONI_DAT_1
MONI_DAT_2
MONI_DAT_3
MONI_DAT_4
MONI_DAT_5
MONI_DAT_6
MONI_DAT_7
MONI_CLK
IC5109 74LCX574MTCX
R5124 75K/J3
R5125 39K/J3
R5126 20K/J3
R5127 10K/J3
R5128 4700/J3
R5129 2400/J3
R5130 1200/J3
R5131 560/J3
R5121 D1H810240001
R5122 D1H810240001
R5123 1000/J3
IC5111 C0JBAZ001867
R5140 PAT/J3
R5141 PAT/J3
R5142 0/J3
C5102 0.1/UFV
+6A
R5133 33/J3
C5104 0.1/UFV
R5132 47/J3
Q5101 2SC3930-TX
C5103 PAT/UV
C5106 0.1
R5136 47/J3
R5134 750/J3
R5135 4700/J3
C5105 0.1/UFV
-6A
EQ_EYE
TP5102 EYF6CU
EQ_ENV
TP5101 EYF6CU
+5REG
C5108 0.1/UFV
NJM062V-TE1
IC5110
R5137 47/J3
R5138 3900/J3
R5139 47/J3
C5110 2200P/UBV
C5107 PAT/UBV
C5109 0.1/UFV
-5REG
WFM_ENV
C5118 0.1/UFV

COMPONENT NAME	F8: RF/EQ	02/13

CIRCUIT BOARD NO.	DRAWING NO.
VEP85207A	KR5607 (2/13) (0)
	SCM110


IC5201
M62370GP
IC5202
THC4053FTEL
IC5203
THC4053FTEL
IC5204
THC4053FTEL
IC5205
THC4053FTEL
IC5206
NJM064V-TE1
IC5207
NJM064V-TE1
IC5208
NJM064V-TE1
IC5209
C0JBAZ001003
IC5004
C0JBAZ001003
IC5007
C0HBZ0000036
R5201
D1H84734A008
R5203
D0GZ220J0001
R5213
D1H810140001
R5226
D1H810140001
R5230
D1H810140001
R5234
D1H810140001
R5238
D1H810140001
TP5201
TP5202
TP5203
TP5204
TP5205
TP5206
C5201 0.1/UFV
C5202 0.1/UFV
C5215 0.1/UFV
+3R2
+3REG
+5REG
-5REG
+6A
-6A
RESERVE0
RESERVE1
RF_DATA
RF_CLK
RF_HALD_H
RF_DATAOUT
RECCURR_RP0
RECFREQ_RP0
RECCURR_RP1
RECFREQ_RP1
PHS_0
MAG_0
WFMSEL_0
PHS_1
MAG_1
WFMSEL_1
PHS_2
MAG_2
WFMSEL_2
PHS_3
MAG_3
WFMSEL_3
RF_SAVE_0
RF_SAVE_1
RF_SAVE_2
RF_SAVE_3
BPF_FREQ
BPF_AREA
HS_R0
HS_R1
HS_P0
HS_P1
HS_P2
HS_P3
A
B
C
D
E
F
G
H
I
J
1
2
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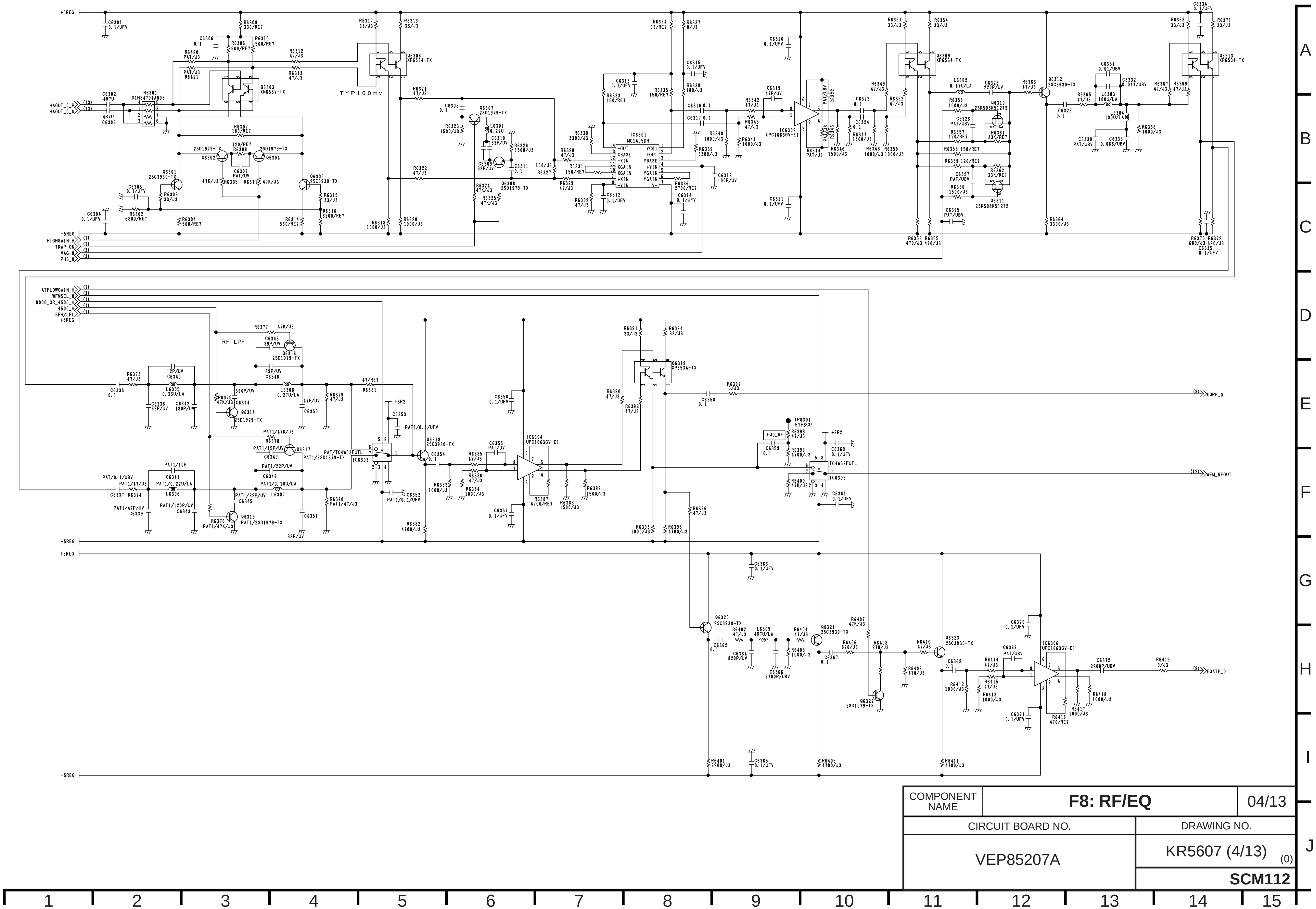
COMPONENT NAME	**F8: RF/EQ**	03/13
CIRCUIT BOARD NO.	DRAWING NO.	
VEP85207A	KR5607 (3/13) (0)	
	SCM111	


+5REG
-5REG
HAOUT_0_P
HAOUT_0_N
HIGHGAIN_H
TRAP_ON
MAG_0
PHS_0
ATFLOWGAIN_H
WFMSEL_0
9000_OR_4500_H
4500_H
SPH/LPL
EQRF_0
WFM_RFOUT
EQATF_0
IC6301 MC1495DR
IC6302 UPC1663GV-E1
IC6303 TC4W53FUTL
IC6304 UPC1663GV-E1
IC6305 TC4W53FUTL
IC6306 UPC1663GV-E1
TYP100mV
RF LPF
TP6301 EYF6CU
EQ0_RF
A
B
C
D
E
F
G
H
I
J
1
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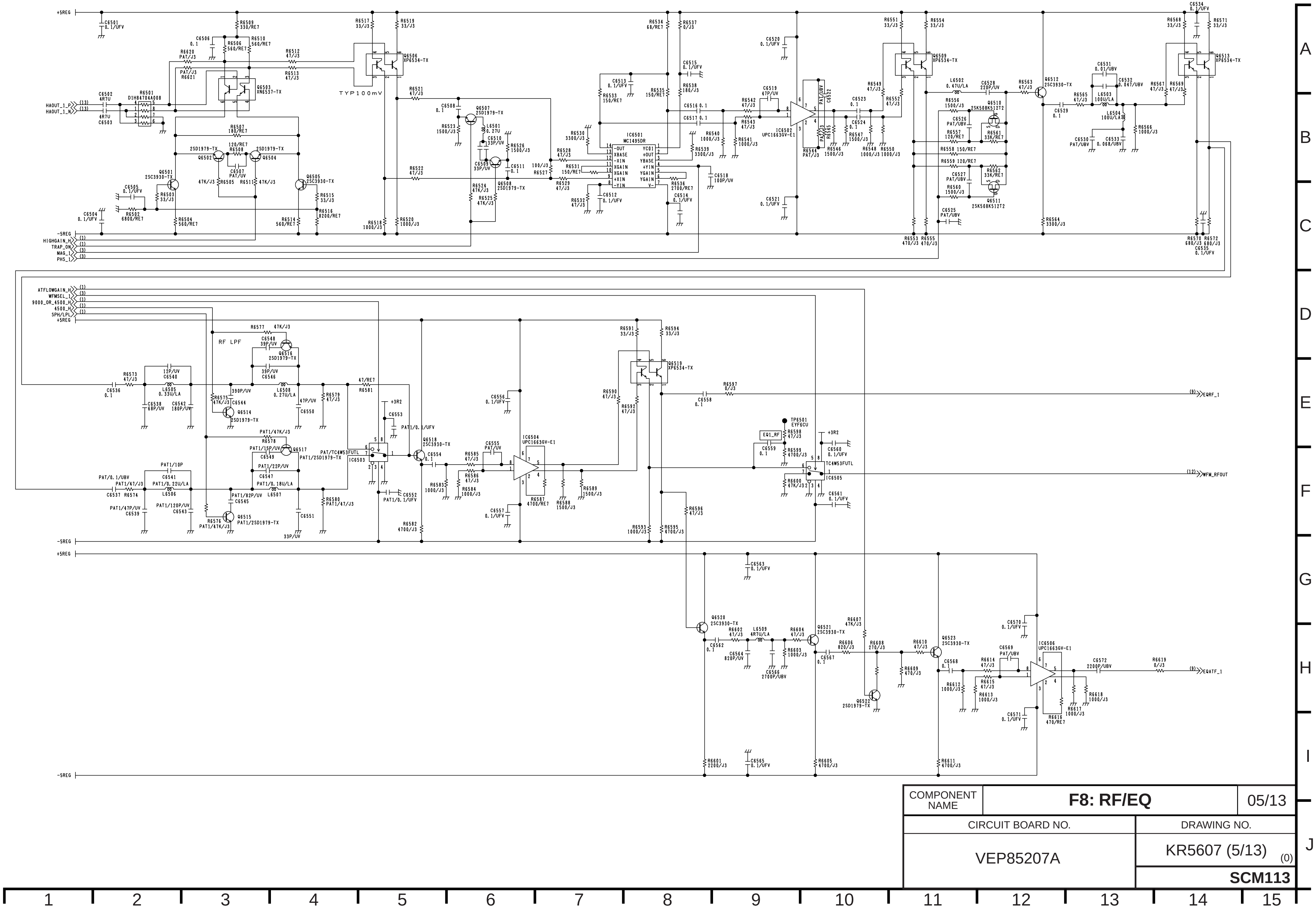
COMPONENT NAME	F8: RF/EQ	04/13
CIRCUIT BOARD NO.	DRAWING NO.	
VEP85207A	KR5607 (4/13) (0)	
	SCM112	


+5REG
HAOUT_1_P
HAOUT_1_N
-5REG
HIGHGAIN_H
TRAP_ON
MAG_1
PHS_1
TYP100mV
IC6501 MC1495DR
IC6502 UPC1663GV-E1
ATFLOWGAIN_H
WFMSEL_1
9000_OR_4500_H
4500_H
SPH/LPL
RF LPF
IC6503 TC4W53FUTL
IC6504 UPC1663GV-E1
TP6501 EYF6CU
EQ1_RF
IC6505 TC4W53FUTL
EQRF_1
WFM_RFOUT
IC6506 UPC1663GV-E1
EQATF_1
A
B
C
D
E
F
G
H
I
J
1
2
3
4
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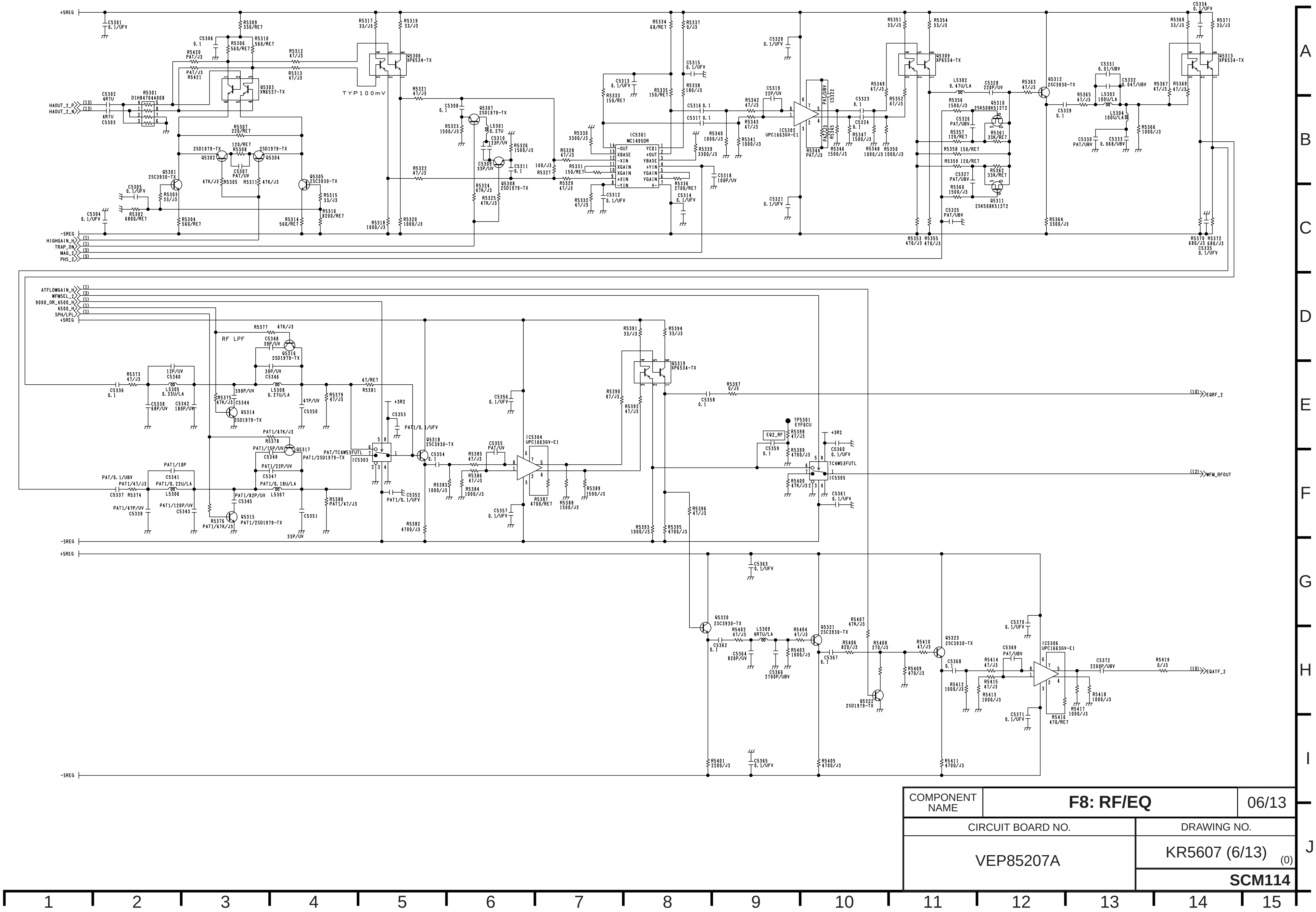
COMPONENT NAME	F8: RF/EQ	05/13
CIRCUIT BOARD NO.	DRAWING NO.	
VEP85207A	KR5607 (5/13) (0)	
	SCM113	


+5REG
-5REG
HAOUT_2_P
HAOUT_2_N
HIGHGAIN_H
TRAP_ON
MAG_2
PHS_2
ATFLOWGAIN_H
WFMSEL_2
9000_OR_4500_H
4500_H
SPH/LPL
TYP100mV
RF LPF
IC5301 MC1495DR
IC5302 UPC1663GV-E1
IC5303 TC4W53FUTL
IC5304 UPC1663GV-E1
IC5305 TC4W53FUTL
IC5306 UPC1663GV-E1
TP5301 EYF6CU
EQ2_RF
+3R2
(10) EQRF_2
(12) WFM_RFOUT
(10) EQATF_2
A
B
C
D
E
F
G
H
I
J
1
2
3
4
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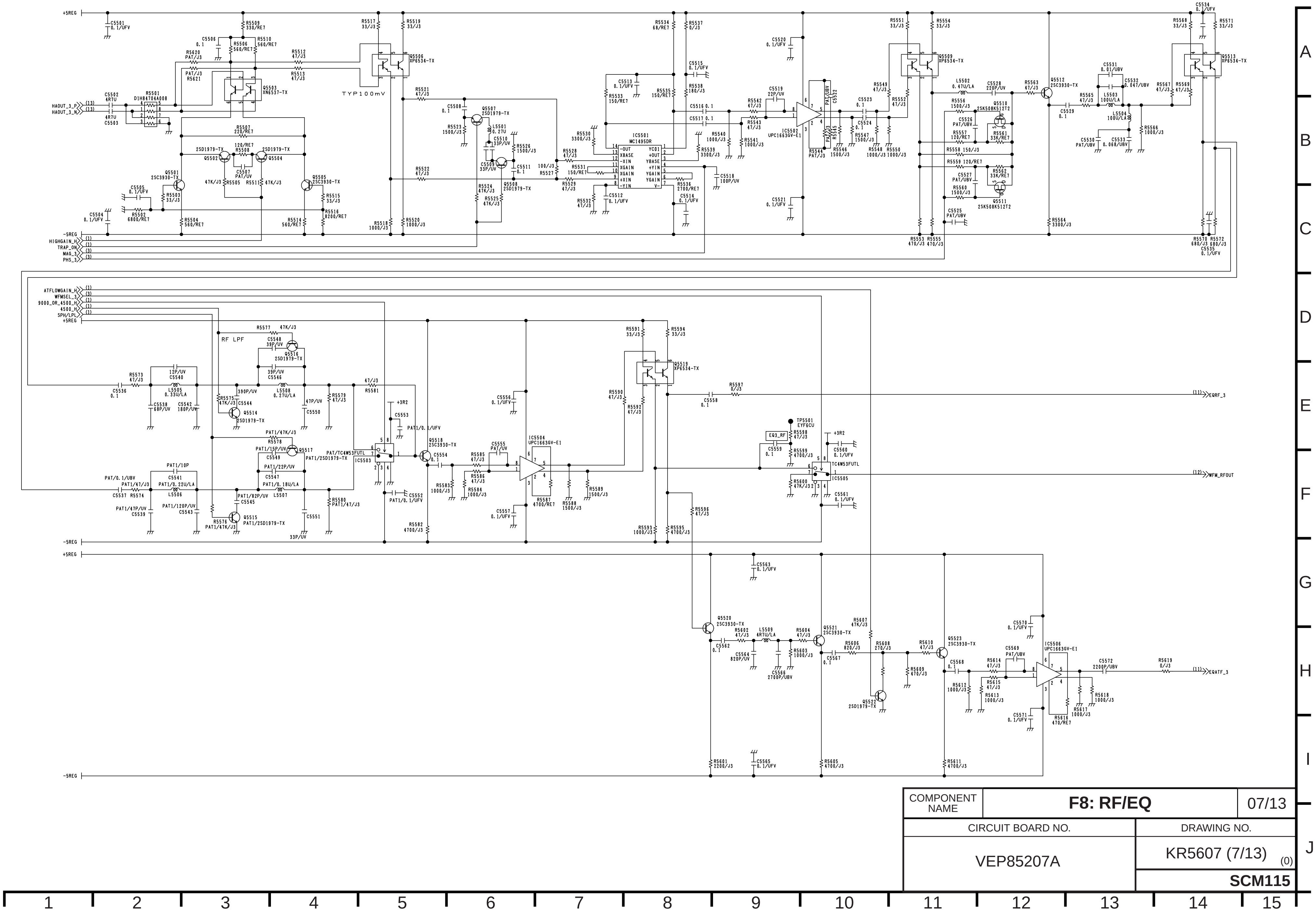
COMPONENT NAME	F8: RF/EQ	06/13
CIRCUIT BOARD NO.	DRAWING NO.	
VEP85207A	KR5607 (6/13) (0)	
	SCM114	


+5REG
-5REG
HAOUT_3_P
HAOUT_3_N
HIGHGAIN_H
TRAP_ON
MAG_3
PHS_3
ATFLOWGAIN_H
WFMSEL_3
9000_OR_4500_H
4500_H
SPH/LPL
TYP100mV
RF LPF
IC5501 MC1495DR
IC5502 UPC1663GV-E1
IC5503
IC5504 UPC1663GV-E1
IC5505
IC5506 UPC1663GV-E1
Q5503 XN6537-TX
Q5506 XP6534-TX
Q5509 XP6534-TX
Q5513 XP6534-TX
Q5519 XP6534-TX
Q5512 2SC3930-TX
Q5518 2SC3930-TX
Q5520 2SC3930-TX
Q5521 2SC3930-TX
Q5523 2SC3930-TX
Q5522 2SD1979-TX
Q5510 2SK508K512T2
Q5511 2SK508K512T2
TP5501 EYF6CU
EQ3_RF
+3R2
EQRF_3
WFM_RFOUT
EQATF_3
A
B
C
D
E
F
G
H
I
J
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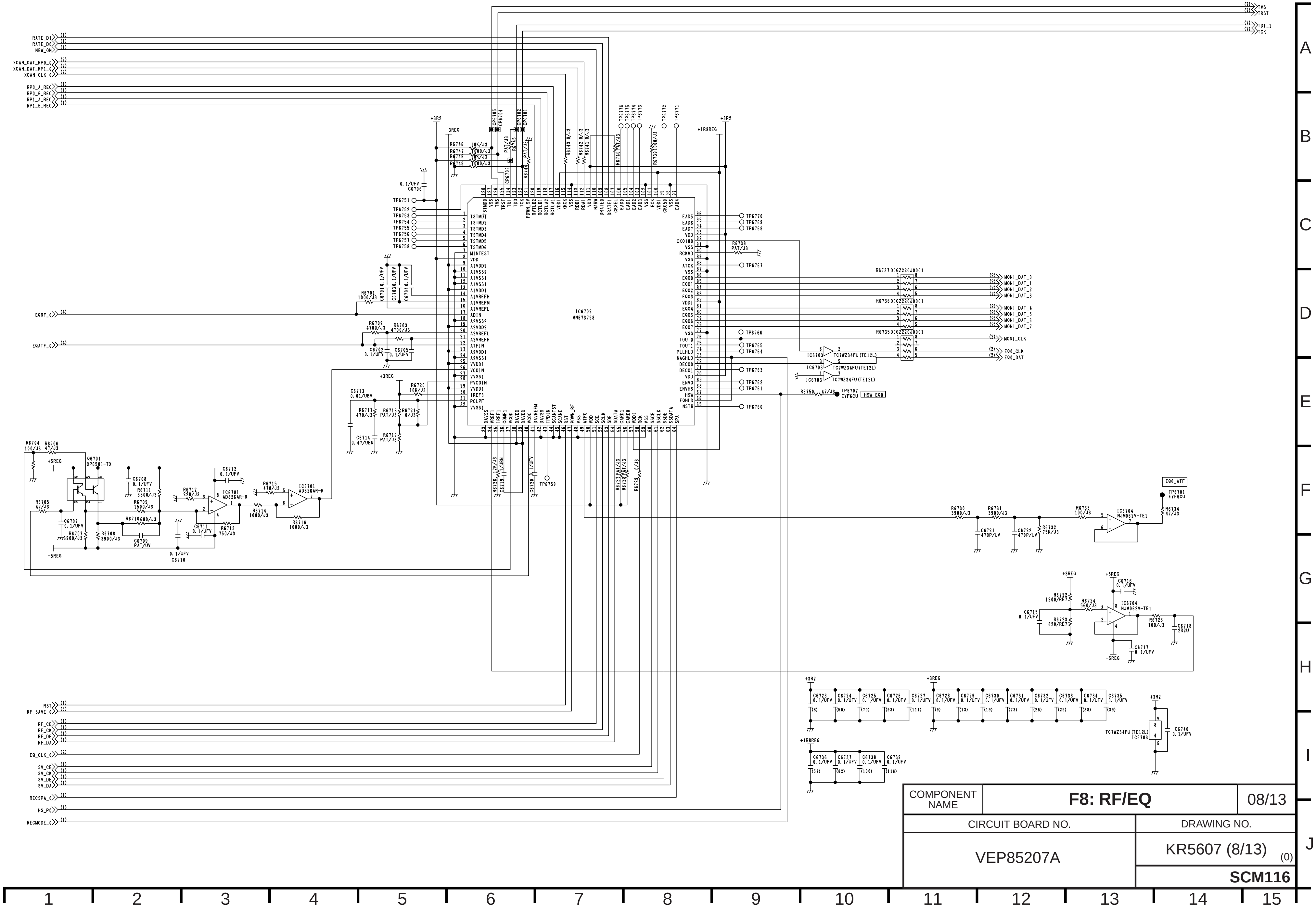
COMPONENT NAME	F8: RF/EQ		07/13
CIRCUIT BOARD NO.		DRAWING NO.	
VEP85207A		KR5607 (7/13) (0)	
		SCM115	


RATE_DI
RATE_DO
NBW_ON
XCAN_DAT_RP0_0
XCAN_DAT_RP1_0
XCAN_CLK_0
RP0_A_REC
RP0_B_REC
RP1_A_REC
RP1_B_REC
TMS
TRST
TDI_1
TCK
EQRF_0
EQATF_0
IC6702
MN673798
IC6701
AD826AR-R
Q6701
XP6501-TX
IC6703
TC7WZ34FU(TE12L)
IC6704
NJM062V-TE1
MONI_DAT_0
MONI_DAT_1
MONI_DAT_2
MONI_DAT_3
MONI_DAT_4
MONI_DAT_5
MONI_DAT_6
MONI_DAT_7
MONI_CLK
EQ0_CLK
EQ0_DAT
HSW_EQ0
EQ0_ATF
+3R2
+3REG
+1R8REG
+5REG
-5REG
RST
RF_SAVE_0
RF_CE
RF_CK
RF_DE
RF_DA
EQ_CLK_0
SV_CE
SV_CK
SV_DE
SV_DA
RECSPA_0
HS_P0
RECMODE_0
A
B
C
D
E
F
G
H
I
J
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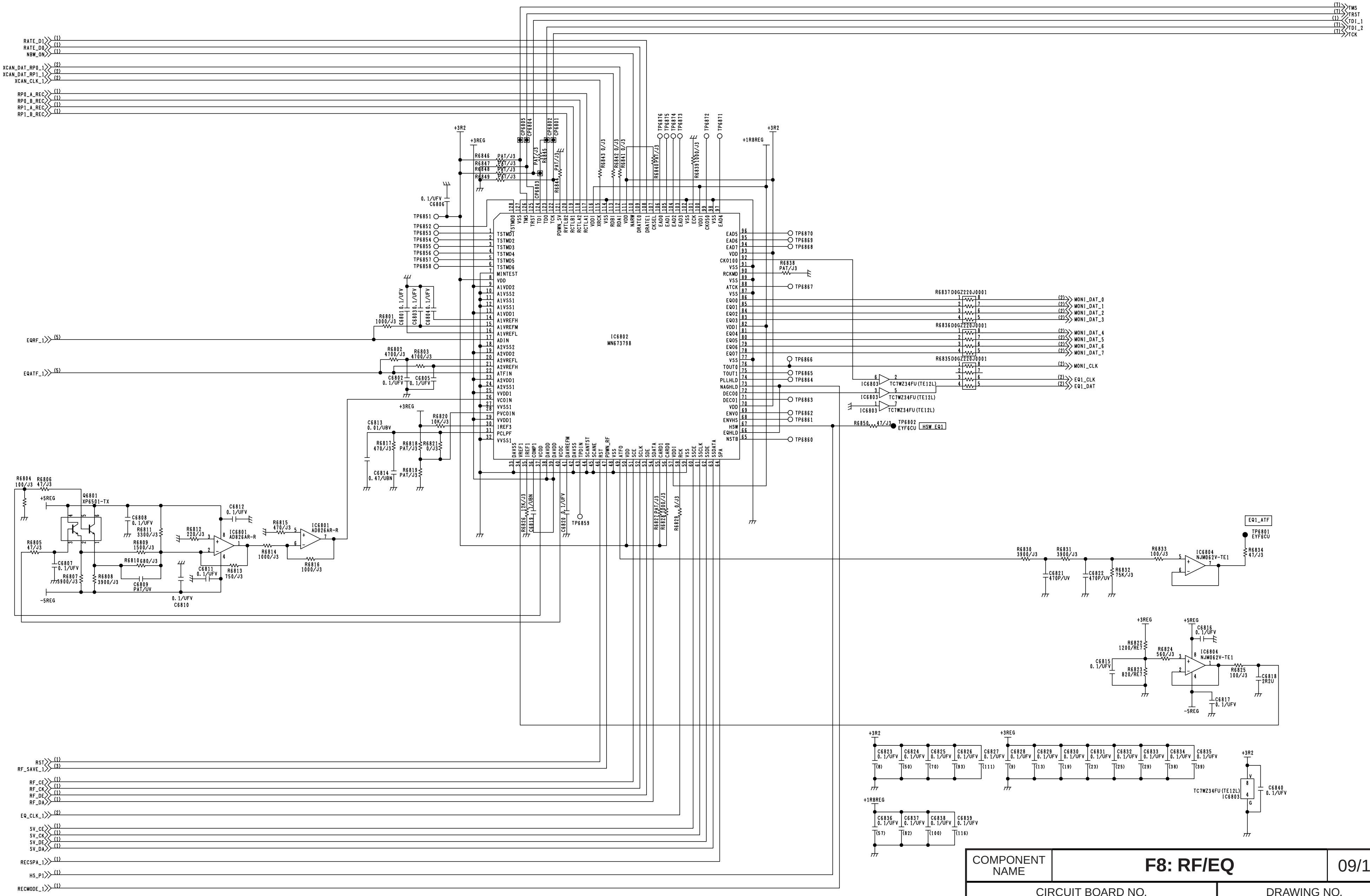
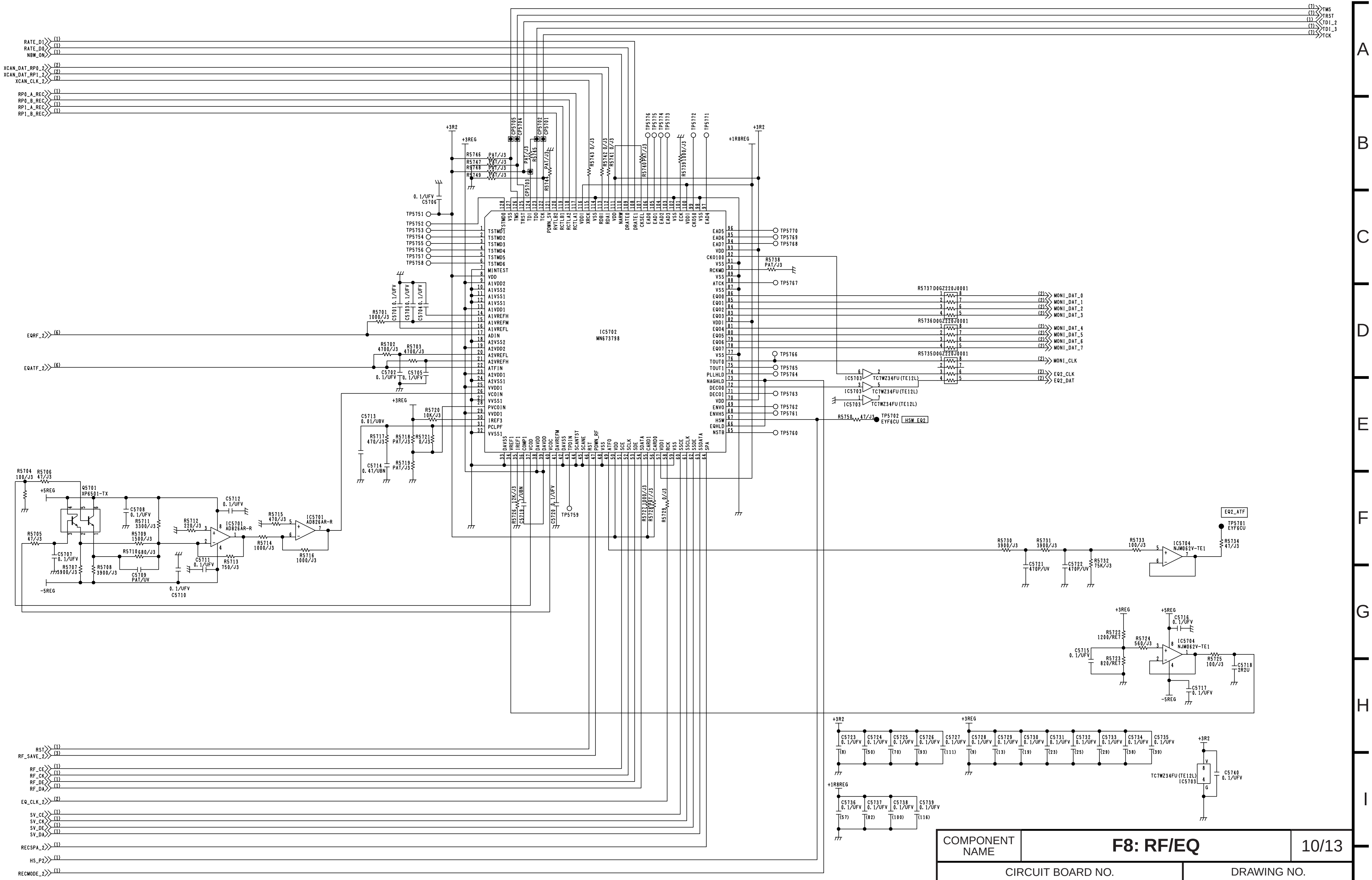
COMPONENT NAME	F8: RF/EQ	08/13

CIRCUIT BOARD NO.	DRAWING NO.
VEP85207A	KR5607 (8/13) (0)
	SCM116

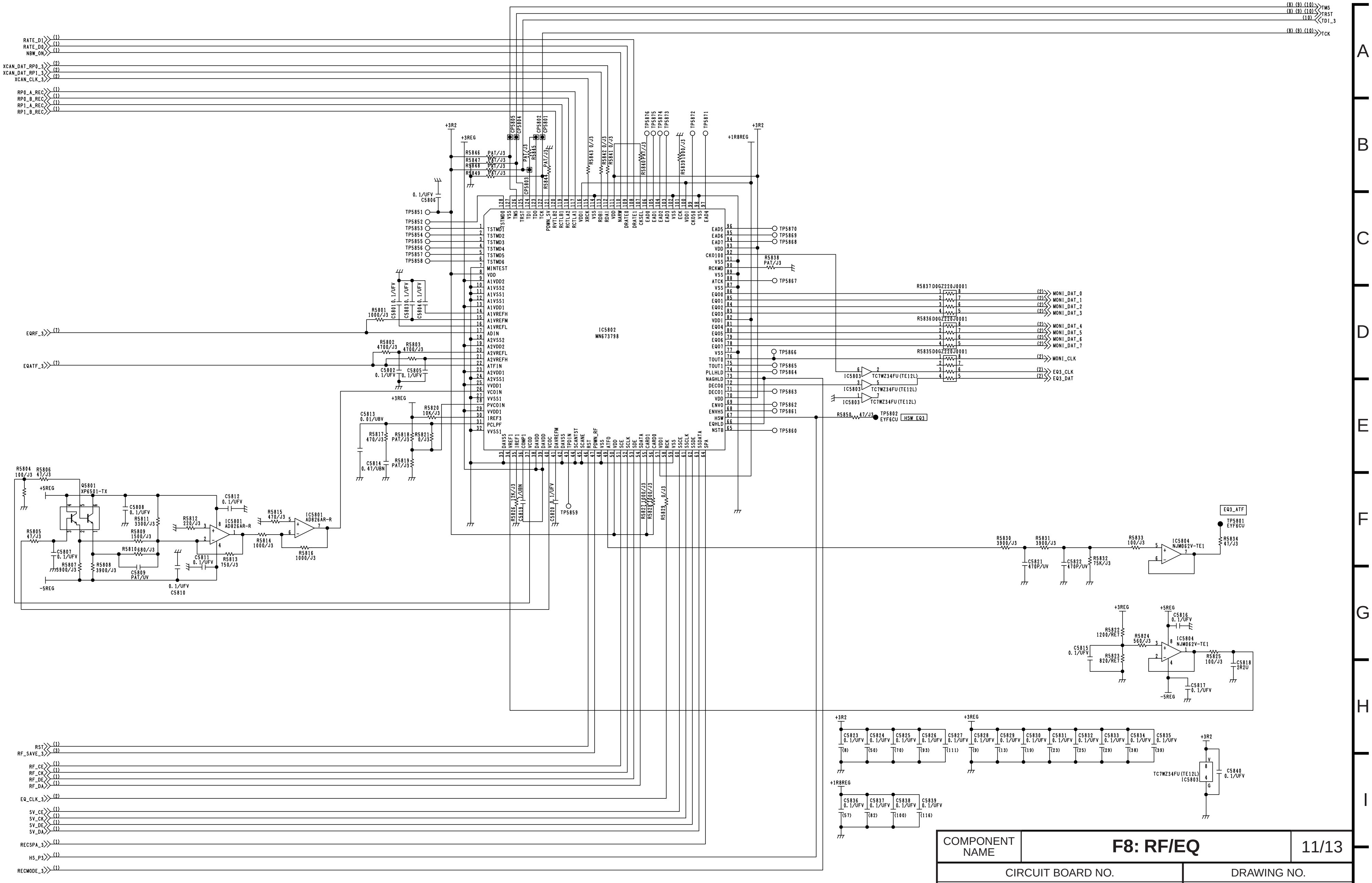

RATE_D1
RATE_D0
NBW_ON
XCAN_DAT_RP0_1
XCAN_DAT_RP1_1
XCAN_CLK_1
RP0_A_REC
RP0_B_REC
RP1_A_REC
RP1_B_REC
TMS
TRST
TDI_1
TDI_2
TCK
+3R2
+3REG
+1R8REG
IC6802
MN673798
EQRF_1
EQATF_1
MONI_DAT_0
MONI_DAT_1
MONI_DAT_2
MONI_DAT_3
MONI_DAT_4
MONI_DAT_5
MONI_DAT_6
MONI_DAT_7
MONI_CLK
EQ1_CLK
EQ1_DAT
HSW_EQ1
EQ1_ATF
IC6801
AD826AR-R
IC6803
TC7WZ34FU(TE12L)
IC6804
NJM062V-TE1
Q6801
XP6501-TX
+5REG
-5REG
RST
RF_SAVE_1
RF_CE
RF_CK
RF_DE
RF_DA
EQ_CLK_1
SV_CE
SV_CK
SV_DE
SV_DA
RECSPA_1
HS_P1
RECMODE_1

COMPONENT NAME	**F8: RF/EQ**	09/13
CIRCUIT BOARD NO.	DRAWING NO.	
VEP85207A	KR5607 (9/13) (0)	
	SCM117	

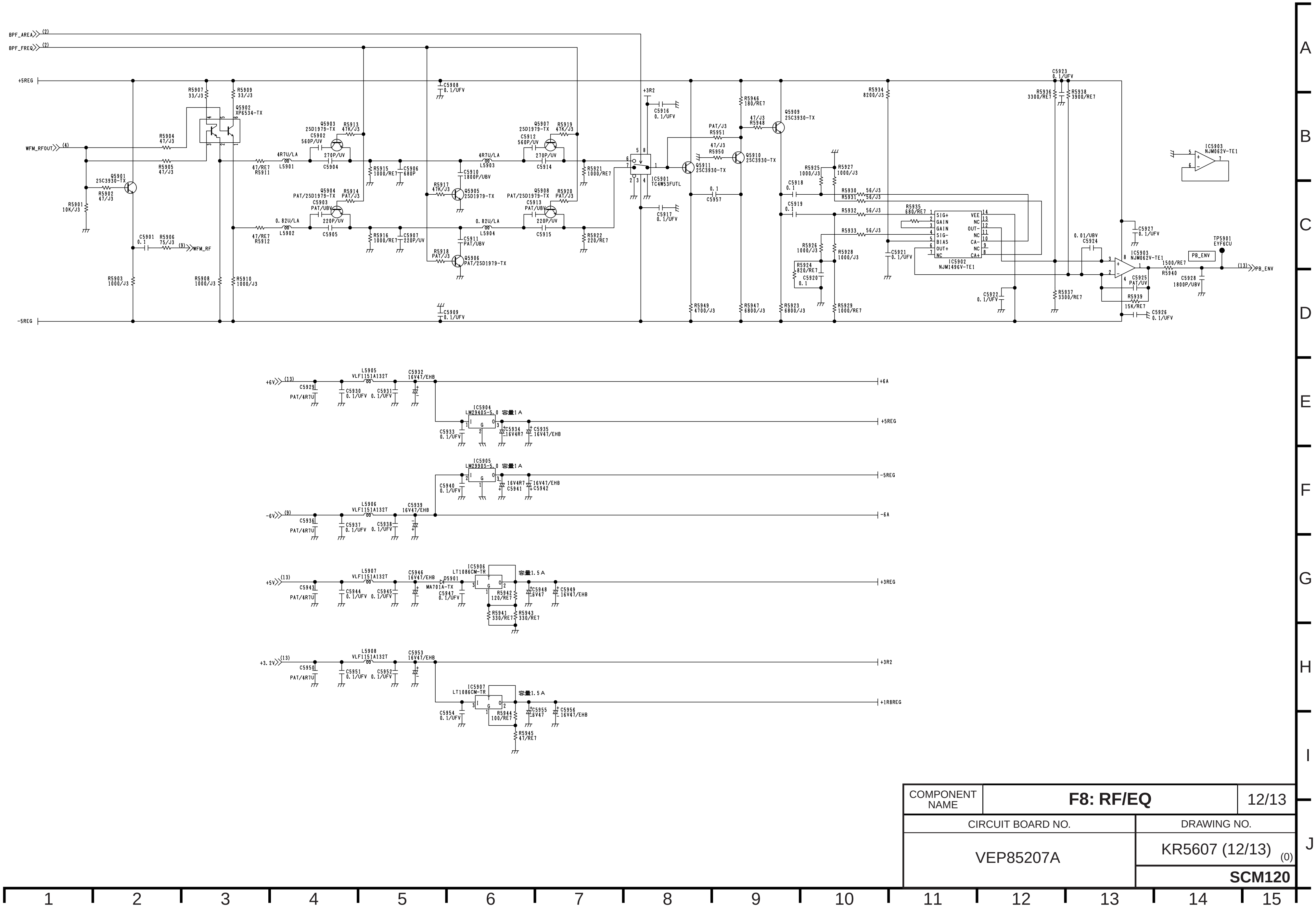

TMS
TRST
TDI_2
TDI_3
TCK
RATE_D1
RATE_D0
NBW_ON
XCAN_DAT_RP0_2
XCAN_DAT_RP1_2
XCAN_CLK_2
RP0_A_REC
RP0_B_REC
RP1_A_REC
RP1_B_REC
+3R2
+3REG
+1R8REG
IC5702
MN673798
EQRF_2
EQATF_2
IC5701
AD826AR-R
Q5701
XP6501-TX
+5REG
-5REG
MONI_DAT_0
MONI_DAT_1
MONI_DAT_2
MONI_DAT_3
MONI_DAT_4
MONI_DAT_5
MONI_DAT_6
MONI_DAT_7
MONI_CLK
EQ2_CLK
EQ2_DAT
R5737 D0GZ220J0001
R5736 D0GZ220J0001
R5735 D0GZ220J0001
IC5703
TC7WZ34FU(TE12L)
TP5702
EYF6CU
HSW_EQ2
EQ2_ATF
TP5701
IC5704
NJM062V-TE1
RST
RF_SAVE_2
RF_CE
RF_CK
RF_DE
RF_DA
EQ_CLK_2
SV_CE
SV_CK
SV_DE
SV_DA
RECSPA_2
HS_P2
RECMODE_2

COMPONENT NAME	**F8: RF/EQ**	10/13

CIRCUIT BOARD NO.	DRAWING NO.
VEP85207A	KR5607 (10/13) (0)
	SCM118


RATE_D1
RATE_D0
NBW_ON
XCAN_DAT_RP0_3
XCAN_DAT_RP1_3
XCAN_CLK_3
RP0_A_REC
RP0_B_REC
RP1_A_REC
RP1_B_REC
TMS
TRST
TDI_3
TCK
EQRF_3
EQATF_3
IC5802
MN673798
IC5801
AD826AR-R
Q5801
XP6501-TX
+5REG
-5REG
+3R2
+3REG
+1R8REG
MONI_DAT_0
MONI_DAT_1
MONI_DAT_2
MONI_DAT_3
MONI_DAT_4
MONI_DAT_5
MONI_DAT_6
MONI_DAT_7
MONI_CLK
EQ3_CLK
EQ3_DAT
IC5803
TC7WZ34FU(TE12L)
HSW_EQ3
EQ3_ATF
TP5801
EYF6CU
IC5804
NJM062V-TE1
RST
RF_SAVE_3
RF_CE
RF_CK
RF_DE
RF_DA
EQ_CLK_3
SV_CE
SV_CK
SV_DE
SV_DA
RECSPA_3
HS_P3
RECMODE_3

COMPONENT NAME	F8: RF/EQ	11/13
CIRCUIT BOARD NO.	DRAWING NO.	
VEP85207A	KR5607 (11/13) (0)	
	SCM119	


BPF_AREA
BPF_FREQ
+5REG
-5REG
WFM_RFOUT
WFM_RF
Q5901 2SC3930-TX
Q5902 XP6534-TX
Q5903 2SD1979-TX
Q5904 PAT/2SD1979-TX
Q5905 2SD1979-TX
Q5906 PAT/2SD1979-TX
Q5907 2SD1979-TX
Q5908 PAT/2SD1979-TX
Q5909 2SC3930-TX
Q5910 2SC3930-TX
Q5911 2SC3930-TX
L5901 4R7U/LA
L5902 0.82U/LA
L5903 4R7U/LA
L5904 0.82U/LA
IC5901 TC4W53FUTL
IC5902 NJM1496V-TE1
IC5903 NJM062V-TE1
TP5901 EYF6CU
PB_ENV
+3R2
+6V
-6V
+5V
+3.2V
L5905 VLF1151A132T
L5906 VLF1151A132T
L5907 VLF1151A132T
L5908 VLF1151A132T
IC5904 LM2940S-5.0
IC5905 LM2990S-5.0
IC5906 LT1086CM-TR
IC5907 LT1086CM-TR
D5901 MA701A-TX
容量1A
容量1.5A
+6A
+5REG
-5REG
-6A
+3REG
+3R2
+1R8REG
A
B
C
D
E
F
G
H
I
J
1
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4
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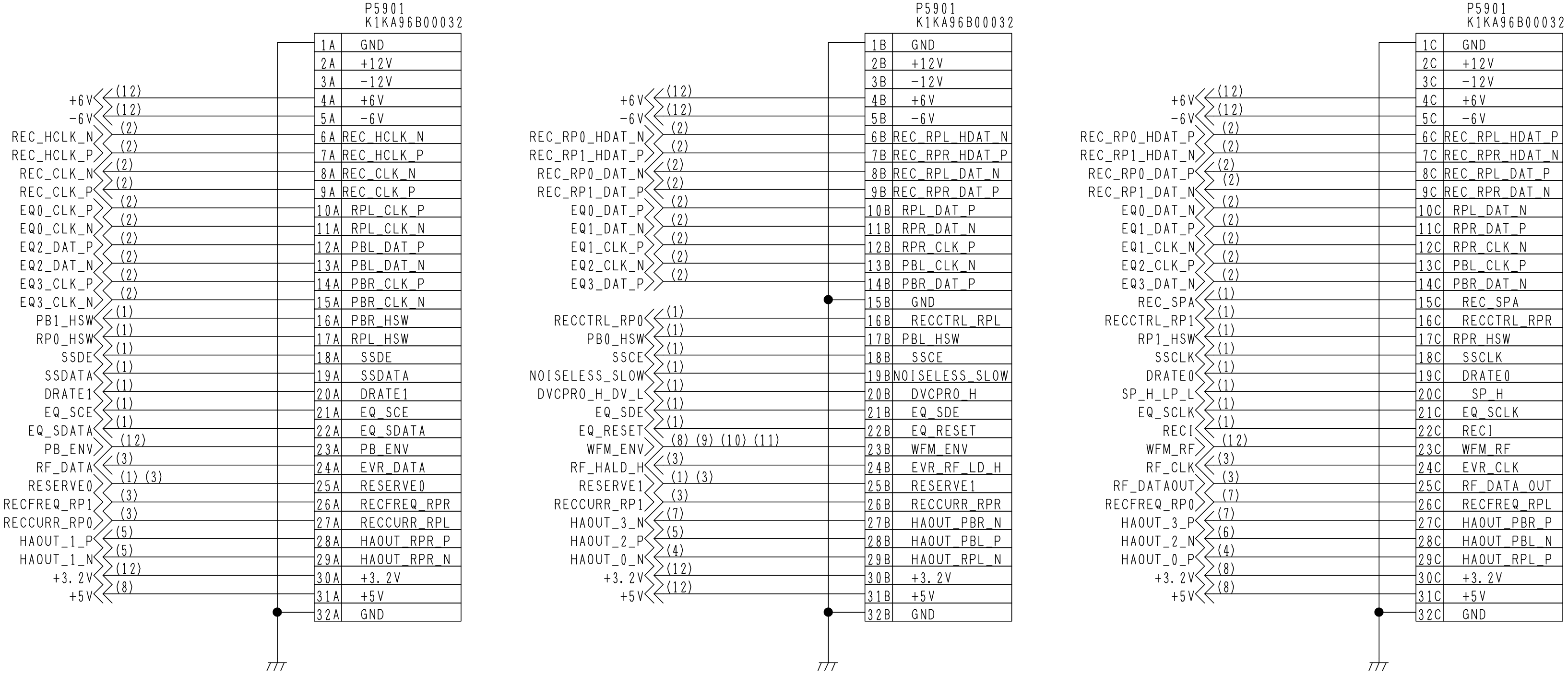
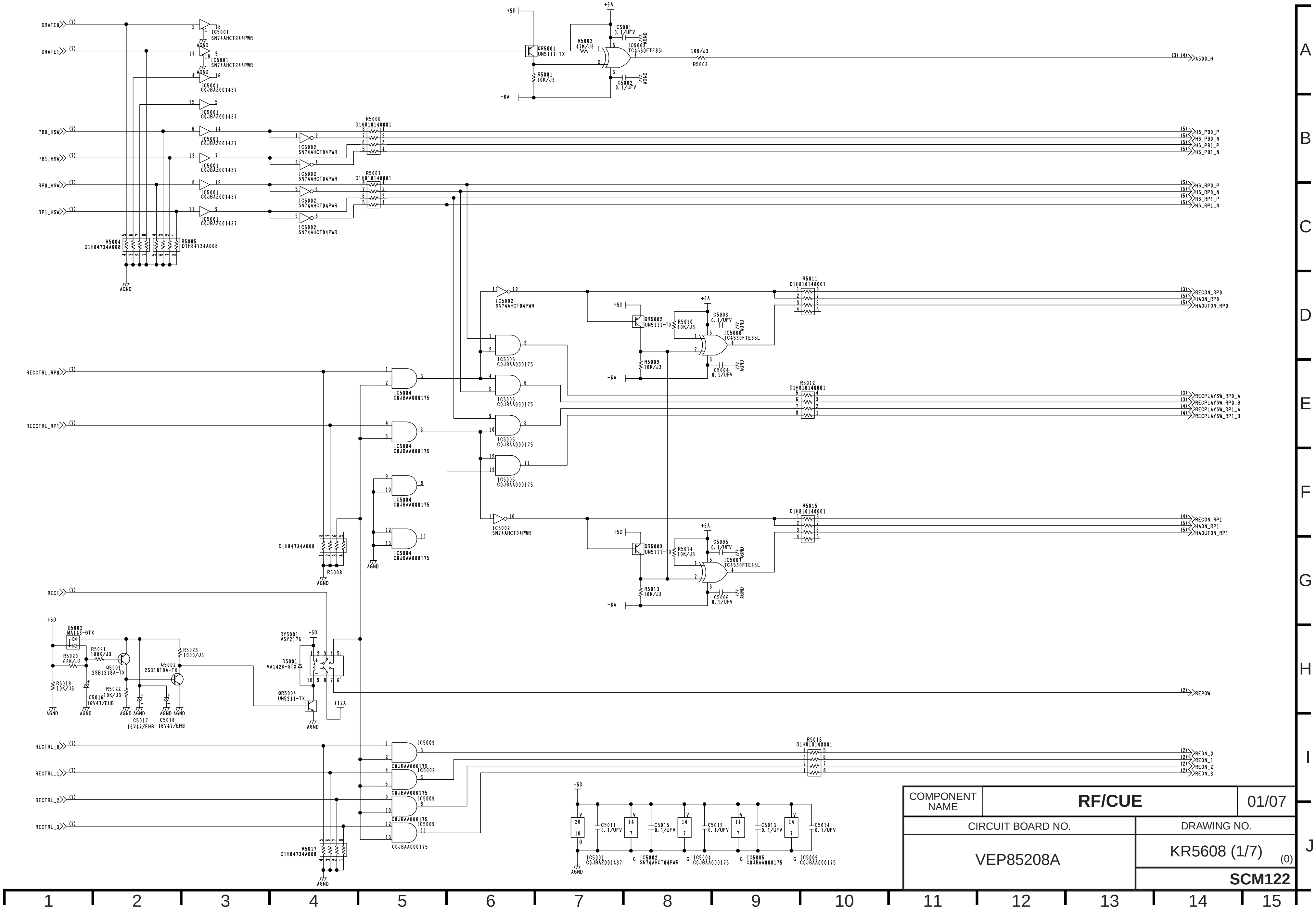
COMPONENT NAME	F8: RF/EQ	12/13
CIRCUIT BOARD NO.	DRAWING NO.	
VEP85207A	KR5607 (12/13) (0)	
	SCM120	



P5901
K1KA96B00032
1A GND
2A +12V
3A −12V
+6V (12) 4A +6V
−6V (12) 5A −6V
REC_HCLK_N (2) 6A REC_HCLK_N
REC_HCLK_P (2) 7A REC_HCLK_P
REC_CLK_N (2) 8A REC_CLK_N
REC_CLK_P (2) 9A REC_CLK_P
EQ0_CLK_P (2) 10A RPL_CLK_P
EQ0_CLK_N (2) 11A RPL_CLK_N
EQ2_DAT_P (2) 12A PBL_DAT_P
EQ2_DAT_N (2) 13A PBL_DAT_N
EQ3_CLK_P (2) 14A PBR_CLK_P
EQ3_CLK_N (2) 15A PBR_CLK_N
PB1_HSW (1) 16A PBR_HSW
RP0_HSW (1) 17A RPL_HSW
SSDE (1) 18A SSDE
SSDATA (1) 19A SSDATA
DRATE1 (1) 20A DRATE1
EQ_SCE (1) 21A EQ_SCE
EQ_SDATA (1) 22A EQ_SDATA
PB_ENV (12) 23A PB_ENV
RF_DATA (3) 24A EVR_DATA
RESERVE0 (1) (3) 25A RESERVE0
RECFREQ_RP1 (3) 26A RECFREQ_RPR
RECCURR_RP0 (3) 27A RECCURR_RPL
HAOUT_1_P (5) 28A HAOUT_RPR_P
HAOUT_1_N (5) 29A HAOUT_RPR_N
+3. 2V (12) 30A +3. 2V
+5V (8) 31A +5V
32A GND
P5901
K1KA96B00032
1B GND
2B +12V
3B −12V
+6V (12) 4B +6V
−6V (12) 5B −6V
REC_RP0_HDAT_N (2) 6B REC_RPL_HDAT_N
REC_RP1_HDAT_P (2) 7B REC_RPR_HDAT_P
REC_RP0_DAT_N (2) 8B REC_RPL_DAT_N
REC_RP1_DAT_P (2) 9B REC_RPR_DAT_P
EQ0_DAT_P (2) 10B RPL_DAT_P
EQ1_DAT_N (2) 11B RPR_DAT_N
EQ1_CLK_P (2) 12B RPR_CLK_P
EQ2_CLK_N (2) 13B PBL_CLK_N
EQ3_DAT_P (2) 14B PBR_DAT_P
15B GND
RECCTRL_RP0 (1) 16B RECCTRL_RPL
PB0_HSW (1) 17B PBL_HSW
SSCE (1) 18B SSCE
NOISELESS_SLOW (1) 19B NOISELESS_SLOW
DVCPRO_H_DV_L (1) 20B DVCPRO_H
EQ_SDE (1) 21B EQ_SDE
EQ_RESET (1) 22B EQ_RESET
WFM_ENV (8) (9) (10) (11) 23B WFM_ENV
RF_HALD_H (3) 24B EVR_RF_LD_H
RESERVE1 (1) (3) 25B RESERVE1
RECCURR_RP1 (3) 26B RECCURR_RPR
HAOUT_3_N (7) 27B HAOUT_PBR_N
HAOUT_2_P (5) 28B HAOUT_PBL_P
HAOUT_0_N (4) 29B HAOUT_RPL_N
+3. 2V (12) 30B +3. 2V
+5V (12) 31B +5V
32B GND
P5901
K1KA96B00032
1C GND
2C +12V
3C −12V
+6V (12) 4C +6V
−6V (12) 5C −6V
REC_RP0_HDAT_P (2) 6C REC_RPL_HDAT_P
REC_RP1_HDAT_N (2) 7C REC_RPR_HDAT_N
REC_RP0_DAT_P (2) 8C REC_RPL_DAT_P
REC_RP1_DAT_N (2) 9C REC_RPR_DAT_N
EQ0_DAT_N (2) 10C RPL_DAT_N
EQ1_DAT_P (2) 11C RPR_DAT_P
EQ1_CLK_N (2) 12C RPR_CLK_N
EQ2_CLK_P (2) 13C PBL_CLK_P
EQ3_DAT_N (2) 14C PBR_DAT_N
REC_SPA (1) 15C REC_SPA
RECCTRL_RP1 (1) 16C RECCTRL_RPR
RP1_HSW (1) 17C RPR_HSW
SSCLK (1) 18C SSCLK
DRATE0 (1) 19C DRATE0
SP_H_LP_L (1) 20C SP_H
EQ_SCLK (1) 21C EQ_SCLK
RECI (1) 22C RECI
WFM_RF (12) 23C WFM_RF
RF_CLK (3) 24C EVR_CLK
RF_DATAOUT (3) 25C RF_DATA_OUT
RECFREQ_RP0 (7) 26C RECFREQ_RPL
HAOUT_3_P (7) 27C HAOUT_PBR_P
HAOUT_2_N (6) 28C HAOUT_PBL_N
HAOUT_0_P (4) 29C HAOUT_RPL_P
+3. 2V (8) 30C +3. 2V
+5V (8) 31C +5V
32C GND

COMPONENT NAME	**F8: RF/EQ**	13/13
CIRCUIT BOARD NO.	DRAWING NO.	
VEP85207A	KR5607 (13/13) (0)	
	SCM121	


DRATE0
DRATE1
PB0_HSW
PB1_HSW
RP0_HSW
RP1_HSW
RECCTRL_RP0
RECCTRL_RP1
REC1
RECTRL_0
RECTRL_1
RECTRL_2
RECTRL_3
IC5001 SN74AHCT244PWR
IC5001 C0JBAZ001437
IC5002 SN74AHCT04PWR
IC5003 TC4S30FTE85L
IC5004 C0JBAA000175
IC5005 C0JBAA000175
IC5006 TC4S30FTE85L
IC5007 TC4S30FTE85L
IC5009 C0JBAA000175
QR5001 UN5111-TX
QR5002 UN5111-TX
QR5003 UN5111-TX
QR5004 UN5211-TX
R5001 10K/J3
R5002 47K/J3
R5003 100/J3
R5004 D1H84734A008
R5005 D1H84734A008
R5006 D1H810140001
R5007 D1H810140001
R5008 D1H84734A008
R5009 10K/J3
R5010 10K/J3
R5011 D1H810140001
R5012 D1H810140001
R5013 10K/J3
R5014 10K/J3
R5015 D1H810140001
R5017 D1H84734A008
R5018 D1H810140001
R5019 10K/J3
R5020 68K/J3
R5021 100K/J3
R5022 10K/J3
R5023 1000/J3
C5001 0.1/UFV
C5002 0.1/UFV
C5003 0.1/UFV
C5004 0.1/UFV
C5005 0.1/UFV
C5006 0.1/UFV
C5011 0.1/UFV
C5012 0.1/UFV
C5013 0.1/UFV
C5014 0.1/UFV
C5015 0.1/UFV
C5016 16V47/EHB
C5017 16V47/EHB
C5018 16V47/EHB
D5001 MA142K-GTX
D5002 MA143-GTX
Q5001 2SB1218A-TX
Q5002 2SD1819A-TX
RY5001 VSY2176
+5D
+6A
-6A
+12A
AGND
4500_H
HS_PB0_P
HS_PB0_N
HS_PB1_P
HS_PB1_N
HS_RP0_P
HS_RP0_N
HS_RP1_P
HS_RP1_N
RECON_RP0
HAON_RP0
HAOUTON_RP0
RECPLAYSW_RP0_A
RECPLAYSW_RP0_B
RECPLAYSW_RP1_A
RECPLAYSW_RP1_B
RECON_RP1
HAON_RP1
HAOUTON_RP1
REPOW
REON_0
REON_1
REON_2
REON_3
A
B
C
D
E
F
G
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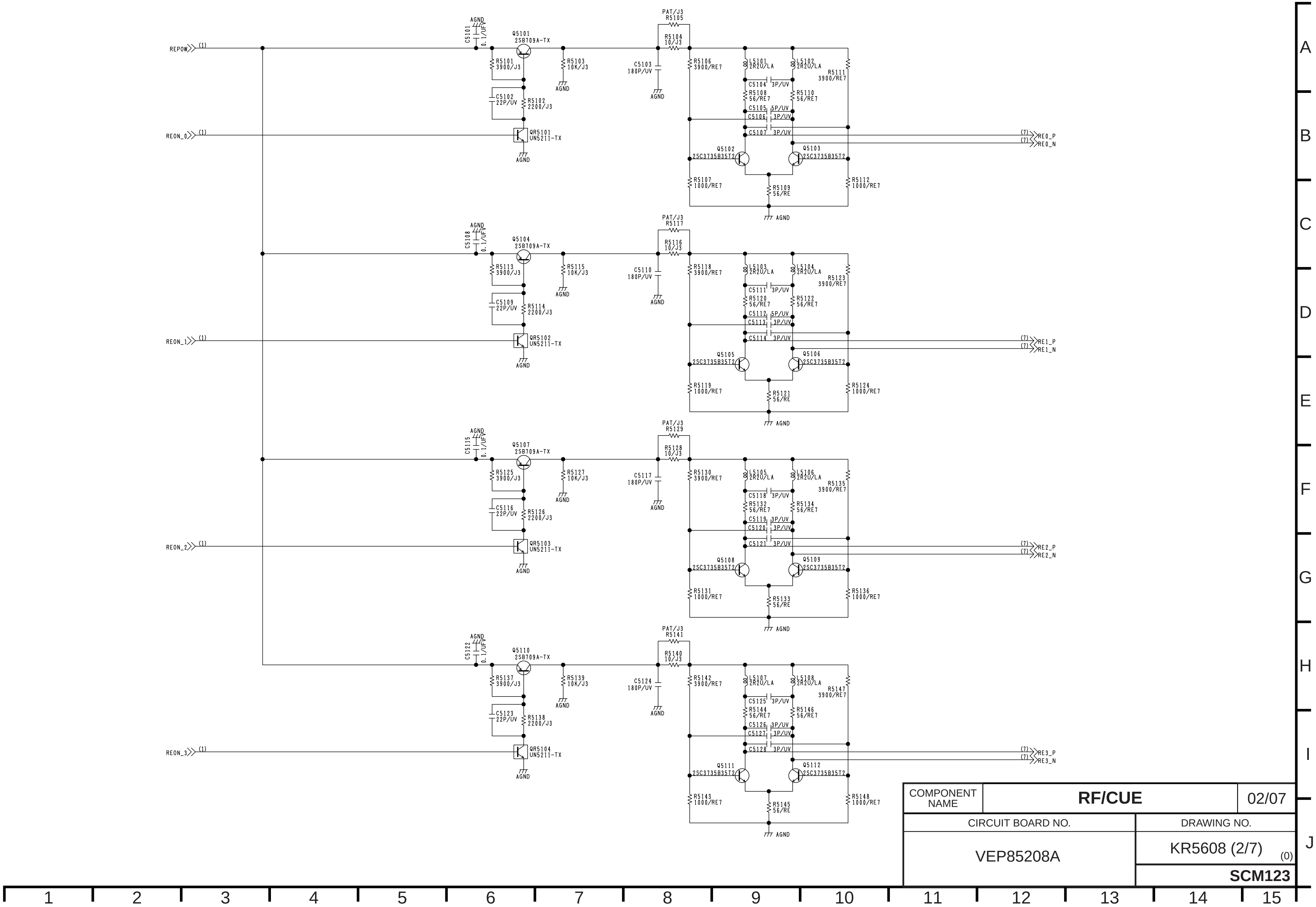
COMPONENT NAME	**RF/CUE**	01/07

CIRCUIT BOARD NO.	DRAWING NO.
VEP85208A	KR5608 (1/7) (0) **SCM122**


REPOW (1)
C5101 0.1/UFV AGND
Q5101 2SB709A-TX
R5101 3900/J3
R5103 10K/J3
AGND
C5102 22P/UV
R5102 2200/J3
REON_0 (1)
QR5101 UN5211-TX
AGND
PAT/J3 R5105
R5104 10/J3
C5103 180P/UV
AGND
R5106 3900/RE7
L5101 2R2U/LA
L5102 2R2U/LA
R5111 3900/RE7
C5104 3P/UV
R5108 56/RE7
R5110 56/RE7
C5105 5P/UV
C5106 3P/UV
C5107 3P/UV
(7) RE0_P
(7) RE0_N
Q5102 2SC3735B35T2
Q5103 2SC3735B35T2
R5107 1000/RE7
R5109 56/RE
R5112 1000/RE7
AGND
C5108 0.1/UFV AGND
Q5104 2SB709A-TX
R5113 3900/J3
R5115 10K/J3
AGND
C5109 22P/UV
R5114 2200/J3
REON_1 (1)
QR5102 UN5211-TX
AGND
PAT/J3 R5117
R5116 10/J3
C5110 180P/UV
AGND
R5118 3900/RE7
L5103 2R2U/LA
L5104 2R2U/LA
R5123 3900/RE7
C5111 3P/UV
R5120 56/RE7
R5122 56/RE7
C5112 5P/UV
C5113 3P/UV
C5114 3P/UV
(7) RE1_P
(7) RE1_N
Q5105 2SC3735B35T2
Q5106 2SC3735B35T2
R5119 1000/RE7
R5121 56/RE
R5124 1000/RE7
AGND
C5115 0.1/UFV AGND
Q5107 2SB709A-TX
R5125 3900/J3
R5127 10K/J3
AGND
C5116 22P/UV
R5126 2200/J3
REON_2 (1)
QR5103 UN5211-TX
AGND
PAT/J3 R5129
R5128 10/J3
C5117 180P/UV
AGND
R5130 3900/RE7
L5105 2R2U/LA
L5106 2R2U/LA
R5135 3900/RE7
C5118 3P/UV
R5132 56/RE7
R5134 56/RE7
C5119 3P/UV
C5120 3P/UV
C5121 3P/UV
(7) RE2_P
(7) RE2_N
Q5108 2SC3735B35T2
Q5109 2SC3735B35T2
R5131 1000/RE7
R5133 56/RE
R5136 1000/RE7
AGND
C5122 0.1/UFV AGND
Q5110 2SB709A-TX
R5137 3900/J3
R5139 10K/J3
AGND
C5123 22P/UV
R5138 2200/J3
REON_3 (1)
QR5104 UN5211-TX
AGND
PAT/J3 R5141
R5140 10/J3
C5124 180P/UV
AGND
R5142 3900/RE7
L5107 2R2U/LA
L5108 2R2U/LA
R5147 3900/RE7
C5125 3P/UV
R5144 56/RE7
R5146 56/RE7
C5126 3P/UV
C5127 3P/UV
C5128 3P/UV
(7) RE3_P
(7) RE3_N
Q5111 2SC3735B35T2
Q5112 2SC3735B35T2
R5143 1000/RE7
R5145 56/RE
R5148 1000/RE7
AGND
A
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C
D
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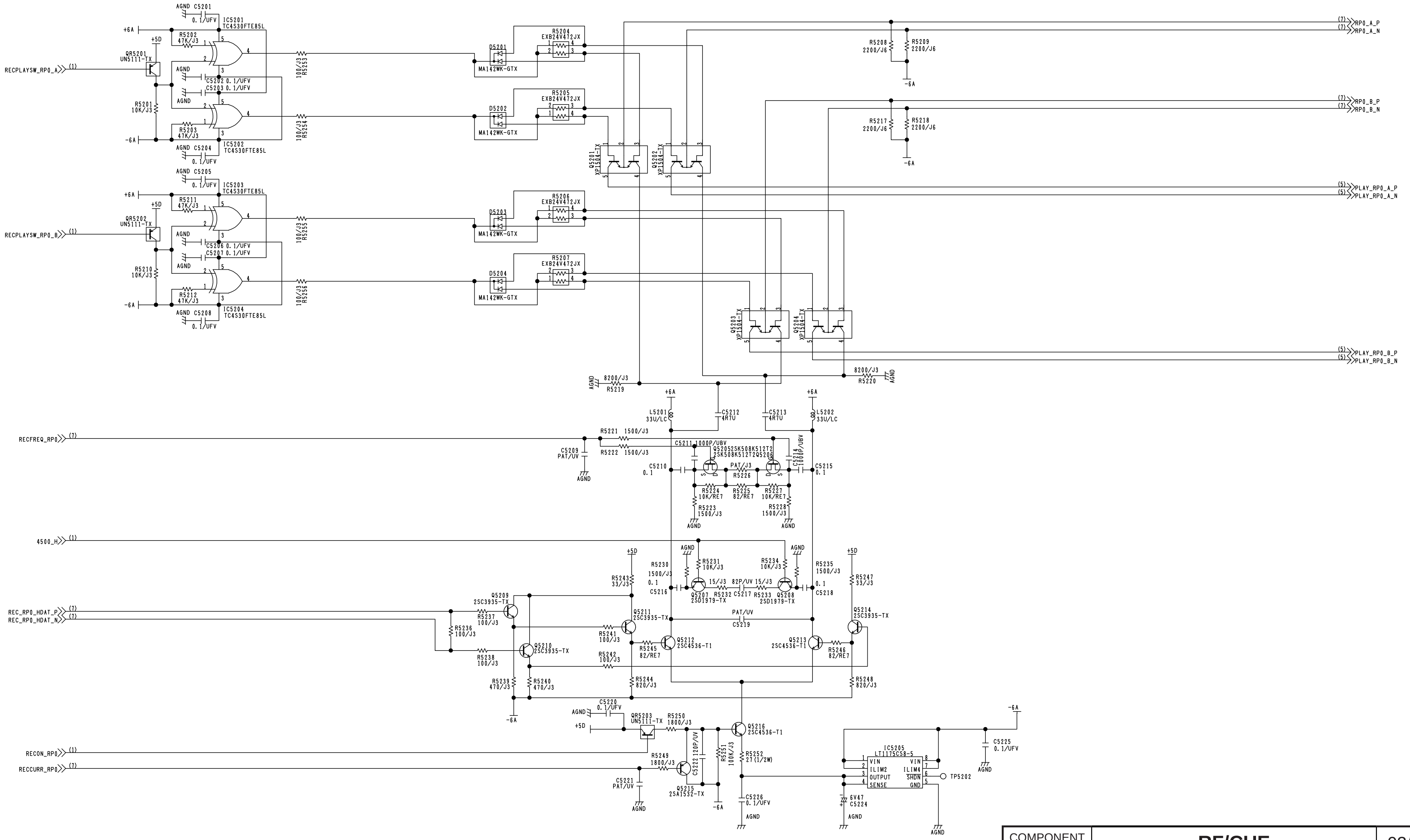
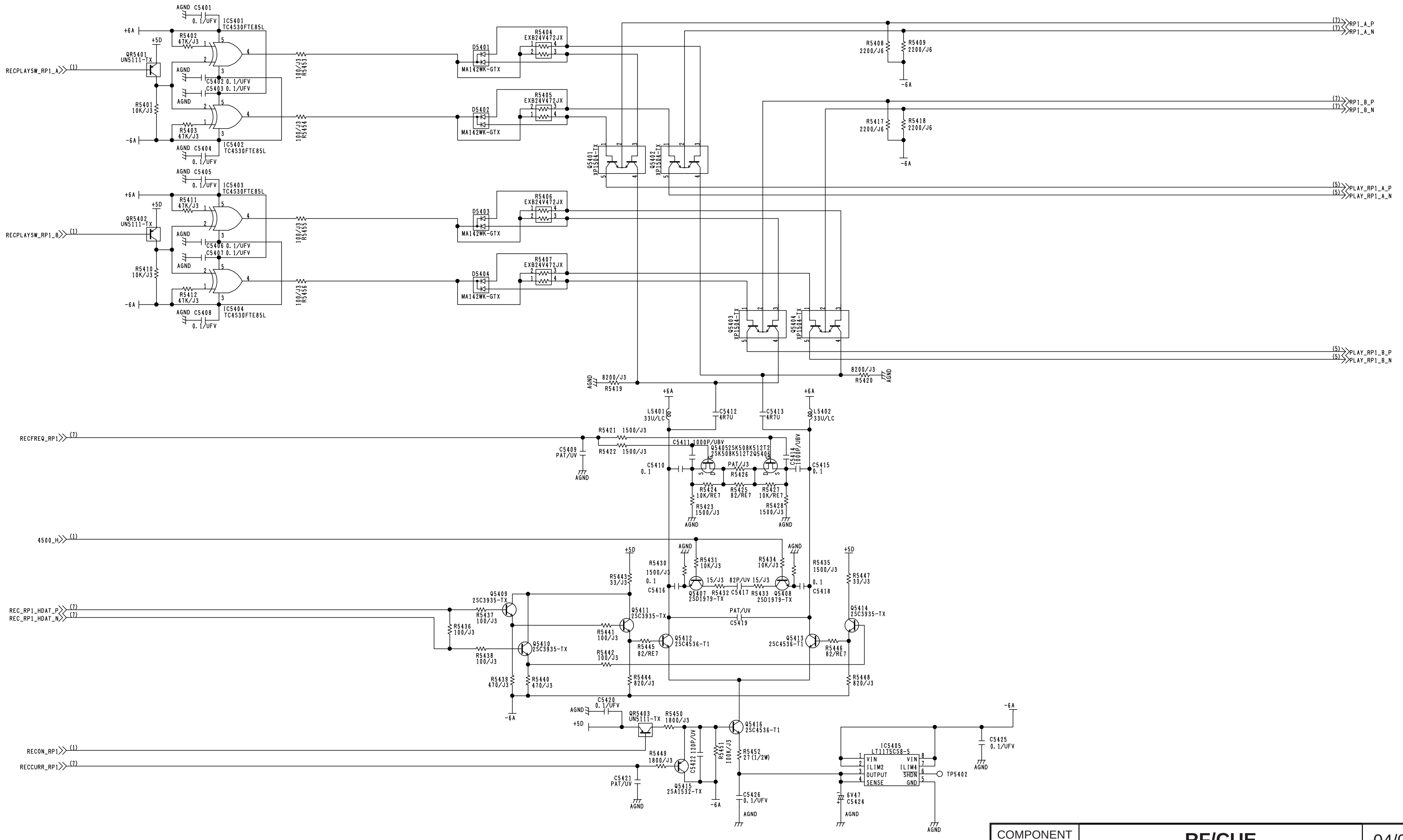
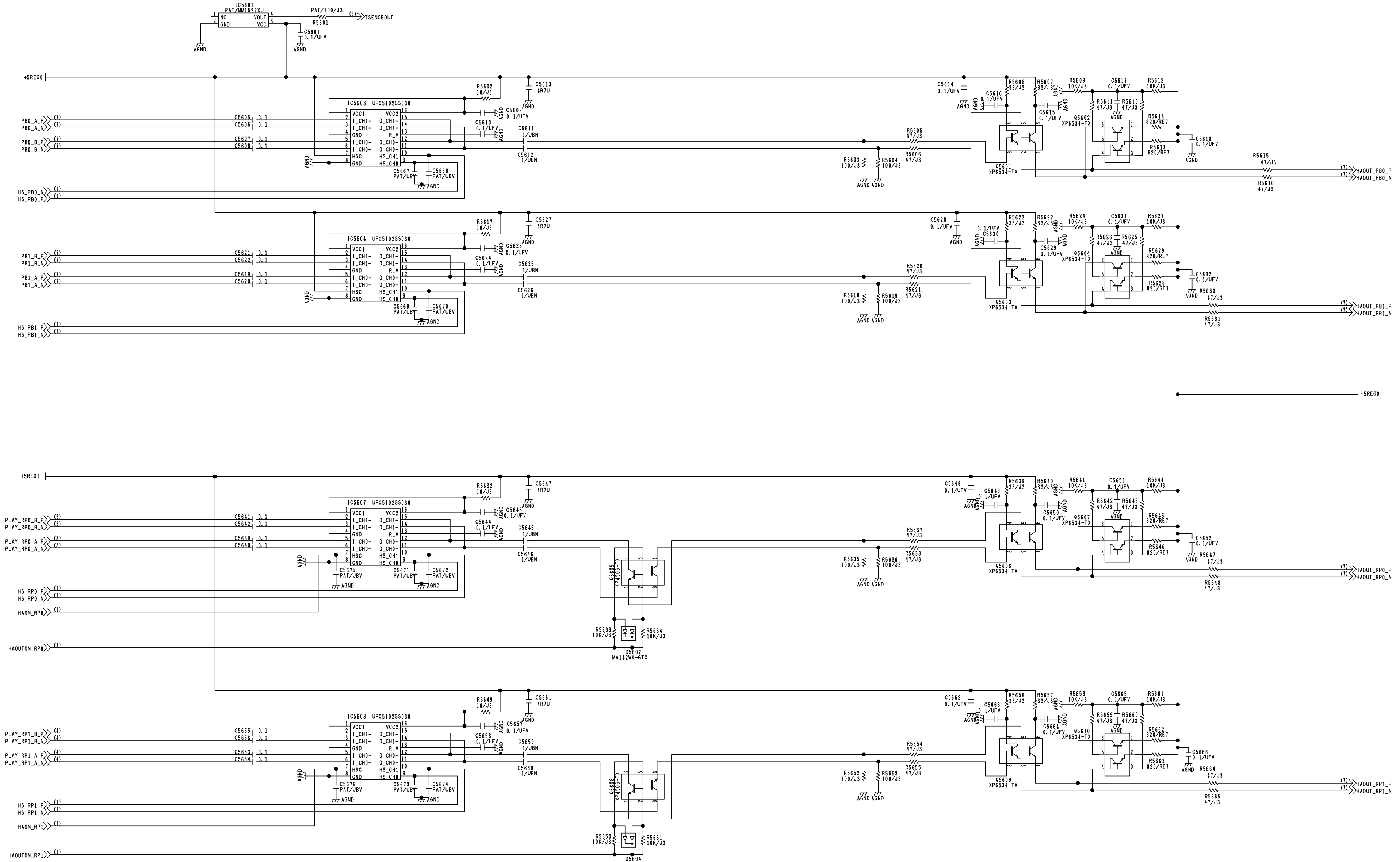
COMPONENT NAME	**RF/CUE**	02/07
CIRCUIT BOARD NO.	DRAWING NO.	
VEP85208A	KR5608 (2/7) (0)	
	SCM123	


RECPLAYSW_RPO_A
RECPLAYSW_RPO_B
QR5201 UN5111-TX
QR5202 UN5111-TX
R5201 10K/J3
R5210 10K/J3
R5202 47K/J3
R5203 47K/J3
R5211 47K/J3
R5212 47K/J3
IC5201 TC4S30FTE85L
IC5202 TC4S30FTE85L
IC5203 TC4S30FTE85L
IC5204 TC4S30FTE85L
C5201 0.1/UFV
C5202 0.1/UFV
C5203 0.1/UFV
C5204 0.1/UFV
C5205 0.1/UFV
C5206 0.1/UFV
C5207 0.1/UFV
C5208 0.1/UFV
R5253 100/J3
R5254 100/J3
R5255 100/J3
R5256 100/J3
D5201 MA142WK-GTX
D5202 MA142WK-GTX
D5203 MA142WK-GTX
D5204 MA142WK-GTX
R5204 EXB24V472JX
R5205 EXB24V472JX
R5206 EXB24V472JX
R5207 EXB24V472JX
Q5201 XP1504-TX
Q5202 XP1504-TX
Q5203 XP1504-TX
Q5204 XP1504-TX
R5208 2200/J6
R5209 2200/J6
R5217 2200/J6
R5218 2200/J6
RPO_A_P
RPO_A_N
RPO_B_P
RPO_B_N
PLAY_RPO_A_P
PLAY_RPO_A_N
PLAY_RPO_B_P
PLAY_RPO_B_N
R5219 8200/J3
R5220 8200/J3
L5201 33U/LC
L5202 33U/LC
C5212 4R7U
C5213 4R7U
RECFREQ_RPO
R5221 1500/J3
R5222 1500/J3
C5209 PAT/UV
C5211 1000P/UBV
C5214 1000P/UBV
Q5205 2SK508K51
Q5206 2SK508K51
C5210 0.1
C5215 0.1
R5226 PAT/J3
R5224 10K/RE7
R5225 82/RE7
R5227 10K/RE7
R5223 1500/J3
R5228 1500/J3
4500_H
R5230 1500/J3
R5231 10K/J3
R5234 10K/J3
R5235 1500/J3
C5216 0.1
C5218 0.1
Q5207 2SD1979-TX
Q5208 2SD1979-TX
R5232 15/J3
C5217 82P/UV
R5233 15/J3
C5219 PAT/UV
REC_RPO_HDAT_P
REC_RPO_HDAT_N
Q5209 2SC3935-TX
Q5210 2SC3935-TX
Q5211 2SC3935-TX
Q5214 2SC3935-TX
Q5212 2SC4536-T1
Q5213 2SC4536-T1
R5236 100/J3
R5237 100/J3
R5238 100/J3
R5239 470/J3
R5240 470/J3
R5241 100/J3
R5242 100/J3
R5243 33/J3
R5247 33/J3
R5244 820/J3
R5248 820/J3
R5245 82/RE7
R5246 82/RE7
RECON_RPO
RECCURR_RPO
C5220 0.1/UFV
QR5203 UN5111-TX
R5250 1800/J3
R5249 1800/J3
Q5215 2SA1532-TX
C5221 PAT/UV
C5222 120P/UV
R5251 100K/J3
Q5216 2SC4536-T1
R5252 27(1/2W)
C5226 0.1/UFV
IC5205 LT1175CS8-5
VIN
ILIM2
OUTPUT
SENSE
VIN
ILIM4
SHDN
GND
TP5202
C5224 6V47
C5225 0.1/UFV
+6A
-6A
+5D
AGND

COMPONENT NAME	RF/CUE	03/07
CIRCUIT BOARD NO.	DRAWING NO.	
VEP85208A	KR5608 (3/7) (0)	
	SCM124	


RECPLAYSW_RP1_A
RECPLAYSW_RP1_B
QR5401 UN5111-TX
QR5402 UN5111-TX
+6A
+5D
-6A
AGND C5401 0.1/UFV
IC5401 TC4S30FTE85L
IC5402 TC4S30FTE85L
IC5403 TC4S30FTE85L
IC5404 TC4S30FTE85L
R5401 10K/J3
R5402 47K/J3
R5403 47K/J3
C5402 0.1/UFV
C5403 0.1/UFV
AGND C5404 0.1/UFV
AGND C5405 0.1/UFV
R5410 10K/J3
R5411 47K/J3
R5412 47K/J3
C5406 0.1/UFV
C5407 0.1/UFV
AGND C5408 0.1/UFV
100/J3 R5453
100/J3 R5454
100/J3 R5455
100/J3 R5456
D5401 MA142WK-GTX
D5402 MA142WK-GTX
D5403 MA142WK-GTX
D5404 MA142WK-GTX
R5404 EXB24V472JX
R5405 EXB24V472JX
R5406 EXB24V472JX
R5407 EXB24V472JX
Q5401 XP1504-TX
Q5402 XP1504-TX
Q5403 XP1504-TX
Q5404 XP1504-TX
R5408 2200/J6
R5409 2200/J6
R5417 2200/J6
R5418 2200/J6
(7) RP1_A_P
(7) RP1_A_N
(7) RP1_B_P
(7) RP1_B_N
(5) PLAY_RP1_A_P
(5) PLAY_RP1_A_N
(5) PLAY_RP1_B_P
(5) PLAY_RP1_B_N
AGND 8200/J3 R5419
8200/J3 R5420 AGND
L5401 33U/LC
L5402 33U/LC
C5412 4R7U
C5413 4R7U
RECFREQ_RP1 (7)
R5421 1500/J3
R5422 1500/J3
C5409 PAT/UV
C5411 1000P/UBV
Q5405 2SK508K512T2
2SK508K512T2 Q5406
C5414 1000P/UBV
C5410 0.1
C5415 0.1
PAT/J3 R5426
R5424 10K/RE7
R5425 82/RE7
R5427 10K/RE7
R5423 1500/J3
R5428 1500/J3
4500_H (1)
R5430 1500/J3
C5416 0.1
R5431 10K/J3
R5434 10K/J3
R5435 1500/J3
C5418 0.1
Q5407 2SD1979-TX
Q5408 2SD1979-TX
15/J3 R5432
82P/UV C5417
15/J3 R5433
PAT/UV C5419
REC_RP1_HDAT_P (7)
REC_RP1_HDAT_N (7)
Q5409 2SC3935-TX
Q5410 2SC3935-TX
Q5411 2SC3935-TX
Q5412 2SC4536-T1
Q5413 2SC4536-T1
Q5414 2SC3935-TX
R5436 100/J3
R5437 100/J3
R5438 100/J3
R5439 470/J3
R5440 470/J3
R5441 100/J3
R5442 100/J3
R5443 33/J3
R5444 820/J3
R5445 82/RE7
R5446 82/RE7
R5447 33/J3
R5448 820/J3
C5420 0.1/UFV
QR5403 UN5111-TX
R5450 1800/J3
RECON_RP1 (1)
RECCURR_RP1 (7)
R5449 1800/J3
C5421 PAT/UV
Q5415 2SA1532-TX
C5422 120P/UV
R5451 100K/J3
Q5416 2SC4536-T1
R5452 27(1/2W)
C5426 0.1/UFV
IC5405 LT1175CS8-5
VIN
ILIM2
OUTPUT
SENSE
ILIM4
SHDN
GND
TP5402
6V47 C5424
C5425 0.1/UFV

COMPONENT NAME	RF/CUE	04/07
CIRCUIT BOARD NO.	DRAWING NO.	
VEP85208A	KR5608 (4/7) (0)	
	SCM125	


IC5601 PAT/MM1522XU
R5601 PAT/100/J3
TSENCEOUT
C5601 0.1/UFV
AGND
+5REG0
+5REG1
-5REG0
IC5603 UPC5102GS030
IC5604 UPC5102GS030
IC5607 UPC5102GS030
IC5608 UPC5102GS030
VCC1
I_CH1+
I_CH1-
GND
I_CH0+
I_CH0-
HSC
VCC2
O_CH1+
O_CH1-
R_V
O_CH0+
O_CH0-
HS_CH1
HS_CH0
PB0_A_P
PB0_A_N
PB0_B_P
PB0_B_N
HS_PB0_N
HS_PB0_P
PB1_B_P
PB1_B_N
PB1_A_P
PB1_A_N
HS_PB1_P
HS_PB1_N
PLAY_RP0_B_P
PLAY_RP0_B_N
PLAY_RP0_A_P
PLAY_RP0_A_N
HS_RP0_P
HS_RP0_N
HAON_RP0
HAOUTON_RP0
PLAY_RP1_B_P
PLAY_RP1_B_N
PLAY_RP1_A_P
PLAY_RP1_A_N
HS_RP1_P
HS_RP1_N
HAON_RP1
HAOUTON_RP1
HAOUT_PB0_P
HAOUT_PB0_N
HAOUT_PB1_P
HAOUT_PB1_N
HAOUT_RP0_P
HAOUT_RP0_N
HAOUT_RP1_P
HAOUT_RP1_N
Q5601 XP6534-TX
Q5602 XP6534-TX
Q5603 XP6534-TX
Q5604 XP6534-TX
Q5605 XP4506-TX
Q5606 XP6534-TX
Q5607 XP6534-TX
Q5608 XP4506-TX
Q5609 XP6534-TX
Q5610 XP6534-TX
D5602 MA142WK-GTX
D5604 MA142WK-GTX
C5613 4R7U
C5627 4R7U
C5647 4R7U
C5661 4R7U
C5611 1/UBN
C5612 1/UBN
R5603 100/J3
R5604 100/J3
R5605 47/J3
R5606 47/J3
R5608 33/J3
R5607 33/J3
R5609 10K/J3
R5612 10K/J3
R5614 820/RE7
R5613 820/RE7
R5615 47/J3
R5616 47/J3
R5633 10K/J3
R5634 10K/J3
R5650 10K/J3
R5651 10K/J3
PAT/UBV
0.1/UFV
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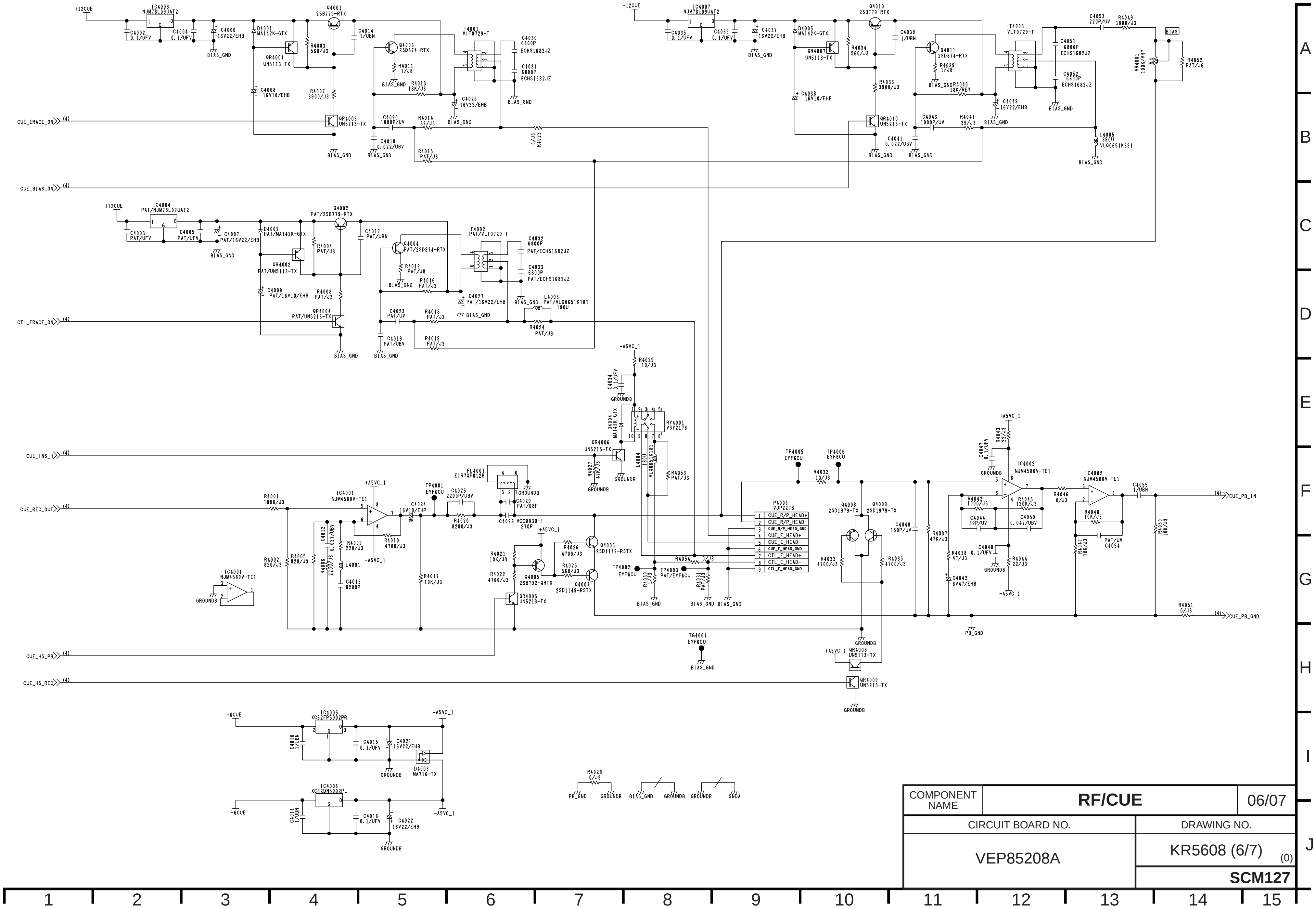
COMPONENT NAME	RF/CUE	05/07
CIRCUIT BOARD NO.	DRAWING NO.	
VEP85208A	KR5608 (5/7) (0)	
	SCM126	



+12CUE
IC4003 NJM78L09UAT2
C4002 0.1/UFV
C4004 0.1/UFV
C4006 16V22/EHB
BIAS_GND
D4001 MA142K-GTX
QR4001 UN5113-TX
Q4001 2SB779-RTX
R4003 560/J3
C4014 1/UBN
Q4003 2SD874-RTX
R4011 1/J8
T4001 VLT0729-T
C4030 6800P ECHS1682JZ
C4031 6800P ECHS1682JZ
C4008 16V10/EHB
R4007 3900/J3
R4013 18K/J3
C4026 16V22/EHB
CUE_ERACE_ON
QR4003 UN5213-TX
C4020 1000P/UV
R4014 39/J3
C4018 0.022/UBV
R4015 PAT/J3
R4023 0/J3
CUE_BIAS_ON
IC4007 NJM78L09UAT2
C4035 0.1/UFV
C4036 0.1/UFV
C4037 16V22/EHB
D4005 MA142K-GTX
QR4007 UN5113-TX
Q4010 2SB779-RTX
R4034 560/J3
C4039 1/UBN
Q4011 2SD874-RTX
R4039 1/J8
R4040 18K/RE7
T4003 VLT0729-T
C4051 6800P ECHS1682JZ
C4052 6800P ECHS1682JZ
C4053 220P/UV
R4049 1000/J3
BIAS
VR4001 100K/VR7
R4052 PAT/J6
C4038 16V10/EHB
R4036 3900/J3
C4049 16V22/EHB
QR4010 UN5213-TX
C4043 1000P/UV
R4041 39/J3
C4041 0.022/UBV
L4005 390U VLQ0651K391
IC4004 PAT/NJM78L09UAT2
C4003 PAT/UFV
C4005 PAT/UFV
C4007 PAT/16V22/EHB
D4002 PAT/MA142K-GTX
Q4002 PAT/2SB779-RTX
C4017 PAT/UBN
Q4004 PAT/2SD874-RTX
T4002 PAT/VLT0729-T
C4032 6800P PAT/ECHS1682JZ
C4033 6800P PAT/ECHS1682JZ
R4004 PAT/J3
QR4002 PAT/UN5113-TX
R4012 PAT/J8
R4016 PAT/J3
C4009 PAT/16V10/EHB
R4008 PAT/J3
C4027 PAT/16V22/EHB
L4003 PAT/VLQ0651K181 180U
CTL_ERACE_ON
QR4004 PAT/UN5213-TX
C4023 PAT/UV
R4018 PAT/J3
R4024 PAT/J3
C4019 PAT/UBV
R4019 PAT/J3
+A5VC_1
R4029 10/J3
C4034 0.1/UFV
GROUNDB
D4004 MA142K-GTX
RY4001 VSY2176
QR4006 UN5215-TX
L4004 180U VLQ0651K181
R4027 47K/J3
R4053 PAT/J3
CUE_INS_H
TP4005 EYF6CU
TP4006 EYF6CU
R4032 10/J3
FL4001 EIR7QF012B
TP4001 EYF6CU
C4025 2200P/UBV
C4029 PAT/68P
CUE_REC_OUT
R4001 1000/J3
IC4001 NJM4580V-TE1
C4024 16V10/EHP
R4020 8200/J3
C4028 VCC0030-T 270P
R4010 4700/J3
-A5VC_1
R4002 820/J3
R4005 820/J3
C4012 0.027/UBV
R4009 220/J3
R4006 2200/J3
L4001
C4013 8200P
R4017 10K/J3
R4021 10K/J3
R4022 4700/J3
Q4005 2SB792-QRTX
QR4005 UN5213-TX
Q4006 2SD1149-RSTX
Q4007 2SD1149-RSTX
R4026 4700/J3
R4025 560/J3
P4001 VJP2278
1 CUE_R/P_HEAD+
2 CUE_R/P_HEAD-
3 CUE_R/P_HEAD_GND
4 CUE_E_HEAD+
5 CUE_E_HEAD-
6 CUE_E_HEAD_GND
7 CTL_E_HEAD+
8 CTL_E_HEAD-
9 CTL_E_HEAD_GND
R4054 0/J3
TP4002 EYF6CU
TP4003 PAT/EYF6CU
R4030
R4031 PAT
Q4008 2SD1979-TX
Q4009 2SD1979-TX
R4033 4700/J3
R4035 4700/J3
C4040 150P/UV
R4037 47K/J3
R4038 47/J3
C4042 6V47/EHB
C4047 0.1/UFV
R4043 22/J3
IC4002 NJM4580V-TE1
R4042 1000/J3
R4045 120K/J3
C4044 39P/UV
C4050 0.047/UBV
C4048 0.1/UFV
R4044 22/J3
R4046 0/J3
R4048 10K/J3
R4047 10K/J3
C4054 PAT/UV
C4055 1/UBN
R4050 10K/J3
R4051 0/J3
CUE_PB_IN
CUE_PB_GND
PB_GND
TG4001 EYF6CU
CUE_HS_PB
CUE_HS_REC
QR4008 UN5113-TX
QR4009 UN5213-TX
+6CUE
IC4005 XC62FP5002PR
C4010 1/UBN
C4015 0.1/UFV
C4021 16V22/EHB
D4003 MA716-TX
-6CUE
IC4006 XC62DN5002PL
C4011 1/UBN
C4016 0.1/UFV
C4022 16V22/EHB
R4028 0/J3
PB_GND
GROUNDB
BIAS_GND
GNDA
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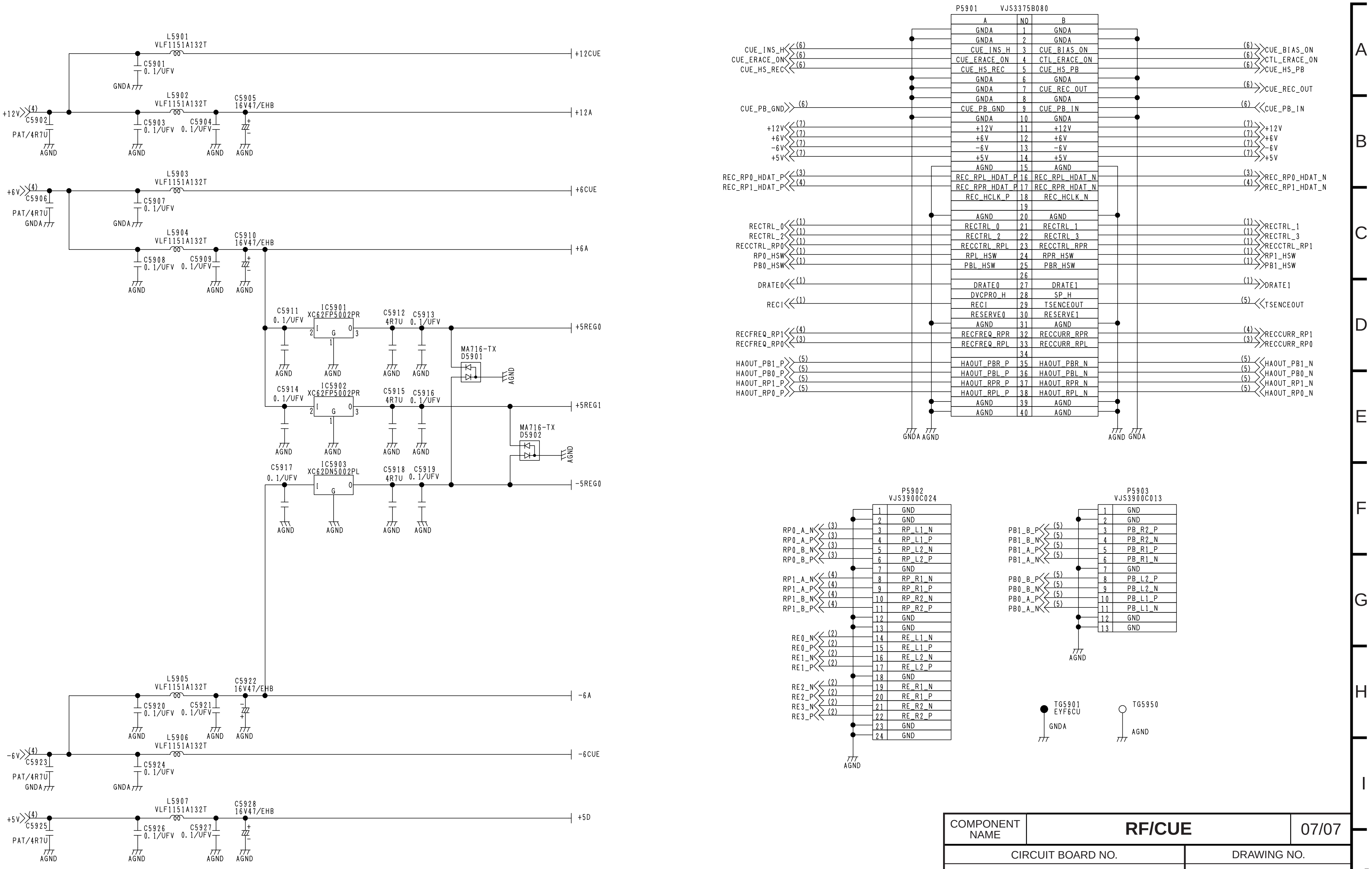
COMPONENT NAME	RF/CUE		06/07
CIRCUIT BOARD NO.		DRAWING NO.	
VEP85208A		KR5608 (6/7) (0)	
		SCM127	


L5901 VLF1151A132T
C5901 0.1/UFV
+12CUE
+12V (4)
C5902 PAT/4R7U
L5902 VLF1151A132T
C5903 0.1/UFV
C5904 0.1/UFV
C5905 16V47/EHB
+12A
+6V (4)
C5906 PAT/4R7U
L5903 VLF1151A132T
C5907 0.1/UFV
+6CUE
L5904 VLF1151A132T
C5908 0.1/UFV
C5909 0.1/UFV
C5910 16V47/EHB
+6A
C5911 0.1/UFV
IC5901 XC62FP5002PR
C5912 4R7U
C5913 0.1/UFV
+5REG0
MA716-TX D5901
C5914 0.1/UFV
IC5902 XC62FP5002PR
C5915 4R7U
C5916 0.1/UFV
+5REG1
MA716-TX D5902
C5917 0.1/UFV
IC5903 XC62DN5002PL
C5918 4R7U
C5919 0.1/UFV
-5REG0
L5905 VLF1151A132T
C5920 0.1/UFV
C5921 0.1/UFV
C5922 16V47/EHB
-6A
-6V (4)
C5923 PAT/4R7U
L5906 VLF1151A132T
C5924 0.1/UFV
-6CUE
+5V (4)
C5925 PAT/4R7U
L5907 VLF1151A132T
C5926 0.1/UFV
C5927 0.1/UFV
C5928 16V47/EHB
+5D
AGND
GNDA
P5901 VJS3375B080
P5902 VJS3900C024
P5903 VJS3900C013
TG5901 EYF6CU
TG5950
A
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P5901 VJS3375B080

A	NO	B
GNDA	1	GNDA
GNDA	2	GNDA
CUE_INS_H	3	CUE_BIAS_ON
CUE_ERACE_ON	4	CTL_ERACE_ON
CUE_HS_REC	5	CUE_HS_PB
GNDA	6	GNDA
GNDA	7	CUE_REC_OUT
GNDA	8	GNDA
CUE_PB_GND	9	CUE_PB_IN
GNDA	10	GNDA
+12V	11	+12V
+6V	12	+6V
-6V	13	-6V
+5V	14	+5V
AGND	15	AGND
REC_RPL_HDAT_P	16	REC_RPL_HDAT_N
REC_RPR_HDAT_P	17	REC_RPR_HDAT_N
REC_HCLK_P	18	REC_HCLK_N
	19	
AGND	20	AGND
RECTRL_0	21	RECTRL_1
RECTRL_2	22	RECTRL_3
RECCTRL_RPL	23	RECCTRL_RPR
RPL_HSW	24	RPR_HSW
PBL_HSW	25	PBR_HSW
	26	
DRATE0	27	DRATE1
DVCPRO_H	28	SP_H
RECI	29	TSENCEOUT
RESERVE0	30	RESERVE1
AGND	31	AGND
RECFREQ_RPR	32	RECCURR_RPR
RECFREQ_RPL	33	RECCURR_RPL
	34	
HAOUT_PBR_P	35	HAOUT_PBR_N
HAOUT_PBL_P	36	HAOUT_PBL_N
HAOUT_RPR_P	37	HAOUT_RPR_N
HAOUT_RPL_P	38	HAOUT_RPL_N
AGND	39	AGND
AGND	40	AGND

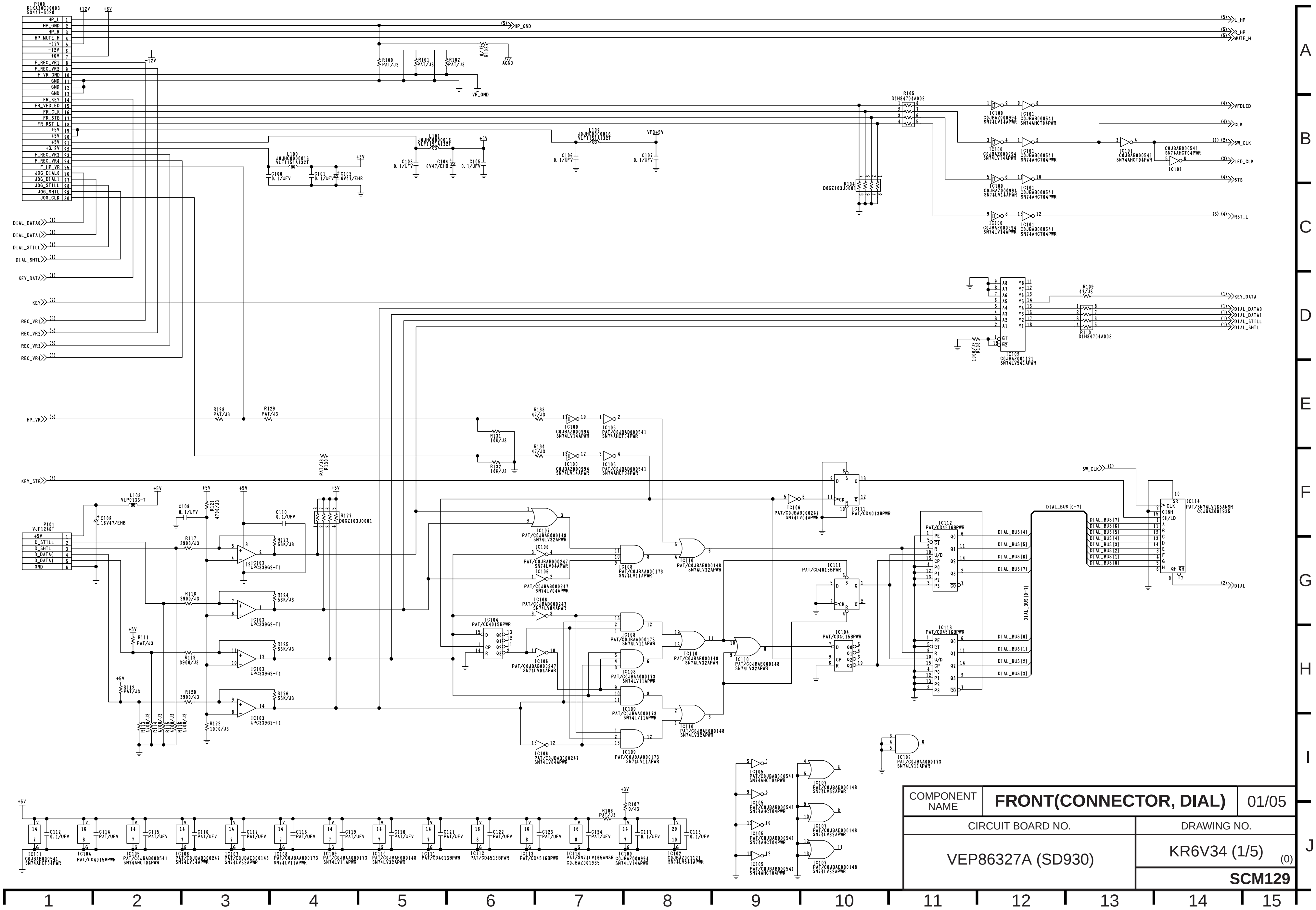
P5902 VJS3900C024

1	GND
2	GND
3	RP_L1_N
4	RP_L1_P
5	RP_L2_N
6	RP_L2_P
7	GND
8	RP_R1_N
9	RP_R1_P
10	RP_R2_N
11	RP_R2_P
12	GND
13	GND
14	RE_L1_N
15	RE_L1_P
16	RE_L2_N
17	RE_L2_P
18	GND
19	RE_R1_N
20	RE_R1_P
21	RE_R2_N
22	RE_R2_P
23	GND
24	GND

P5903 VJS3900C013

1	GND
2	GND
3	PB_R2_P
4	PB_R2_N
5	PB_R1_P
6	PB_R1_N
7	GND
8	PB_L2_P
9	PB_L2_N
10	PB_L1_P
11	PB_L1_N
12	GND
13	GND

COMPONENT NAME	RF/CUE	07/07
CIRCUIT BOARD NO.	DRAWING NO.	
VEP85208A	KR5608 (7/7) (0)	
	SCM128	


P100
K1KA30C00003
53447-3020
HP_L
HP_GND
HP_R
HP_MUTE_H
+12V
-12V
+6V
F_REC_VR1
F_REC_VR2
F_VR_GND
GND
FR_KEY
FR_VFDLED
FR_CLK
FR_STB
FR_RST_L
+5V
+3.2V
F_REC_VR3
F_REC_VR4
F_HP_VR
JOG_DIAL0
JOG_DIAL1
JOG_STILL
JOG_SHTL
JOG_CLK
L_HP
HP_GND
R_HP
MUTE_H
AGND
VR_GND
R105
D1H84704A008
VFDLED
CLK
SW_CLK
LED_CLK
STB
RST_L
R104
D0GZ103J0001
IC100
C0JBAZ000994
SN74LV14APWR
IC101
C0JBAB000541
SN74AHCT04PWR
DIAL_DATA0
DIAL_DATA1
DIAL_STILL
DIAL_SHTL
KEY_DATA
KEY
REC_VR1
REC_VR2
REC_VR3
REC_VR4
R109
47/J3
R110
D1H84704A008
IC102
C0JBAZ001121
SN74LV541APWR
HP_VR
R128
R129
R133
47/J3
R134
47/J3
R131
10K/J3
R132
10K/J3
IC105
KEY_STB
SW_CLK
L103
VLP0133-T
P101
VJP1246T
+5V
D_STILL
D_SHTL
D_DATA0
D_DATA1
GND
C108
16V47/EHB
R117
3900/J3
R118
3900/J3
R119
3900/J3
R120
3900/J3
R123
56K/J3
R124
56K/J3
R125
56K/J3
R126
56K/J3
IC103
UPC339G2-T1
R127
D0GZ103J0001
IC107
PAT/C0JBAE000148
SN74LV32APWR
IC106
PAT/C0JBAB000247
SN74LV04APWR
IC108
PAT/C0JBAA000173
SN74LV11APWR
IC109
IC110
IC104
PAT/CD4015BPWR
IC111
PAT/CD4013BPWR
IC112
PAT/CD4516BPWR
IC113
PAT/CD4516BPWR
DIAL_BUS[0-7]
IC114
PAT/SN74LV165ANSR
C0JBAZ001935
DIAL
R106
R107
0/J3
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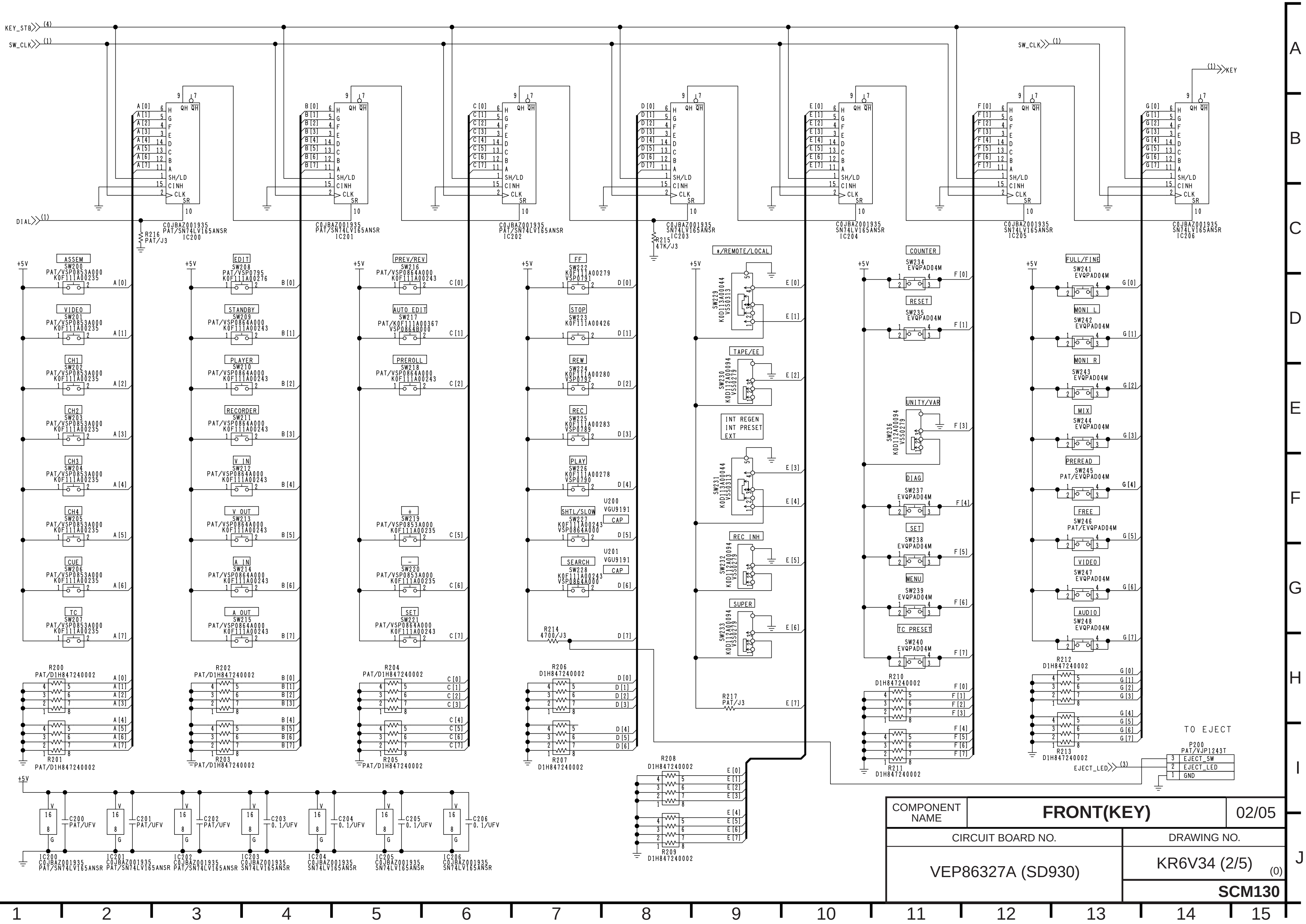
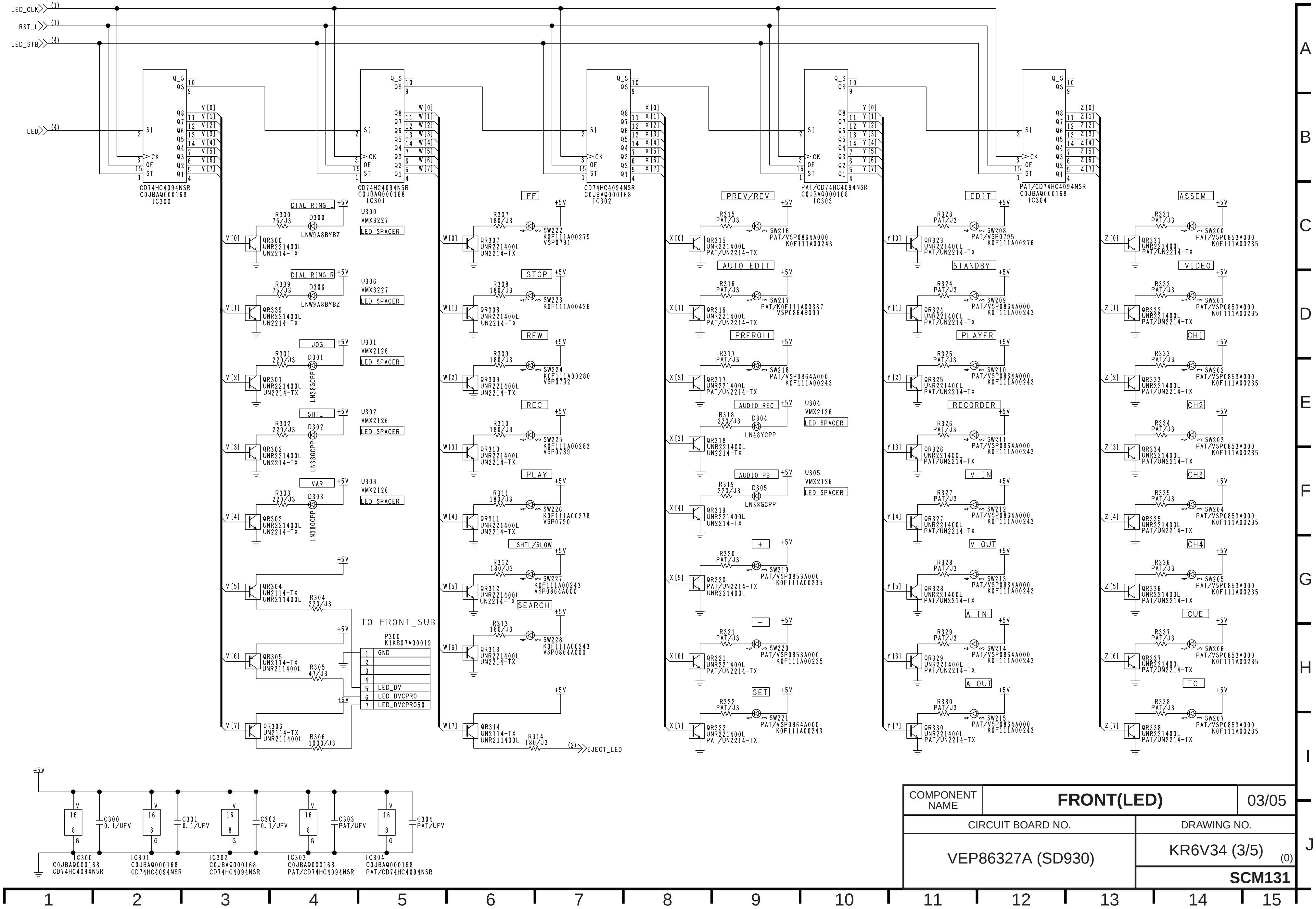
COMPONENT NAME	FRONT(CONNECTOR, DIAL)	01/05
CIRCUIT BOARD NO.		DRAWING NO.
VEP86327A (SD930)		KR6V34 (1/5) (0)
		SCM129

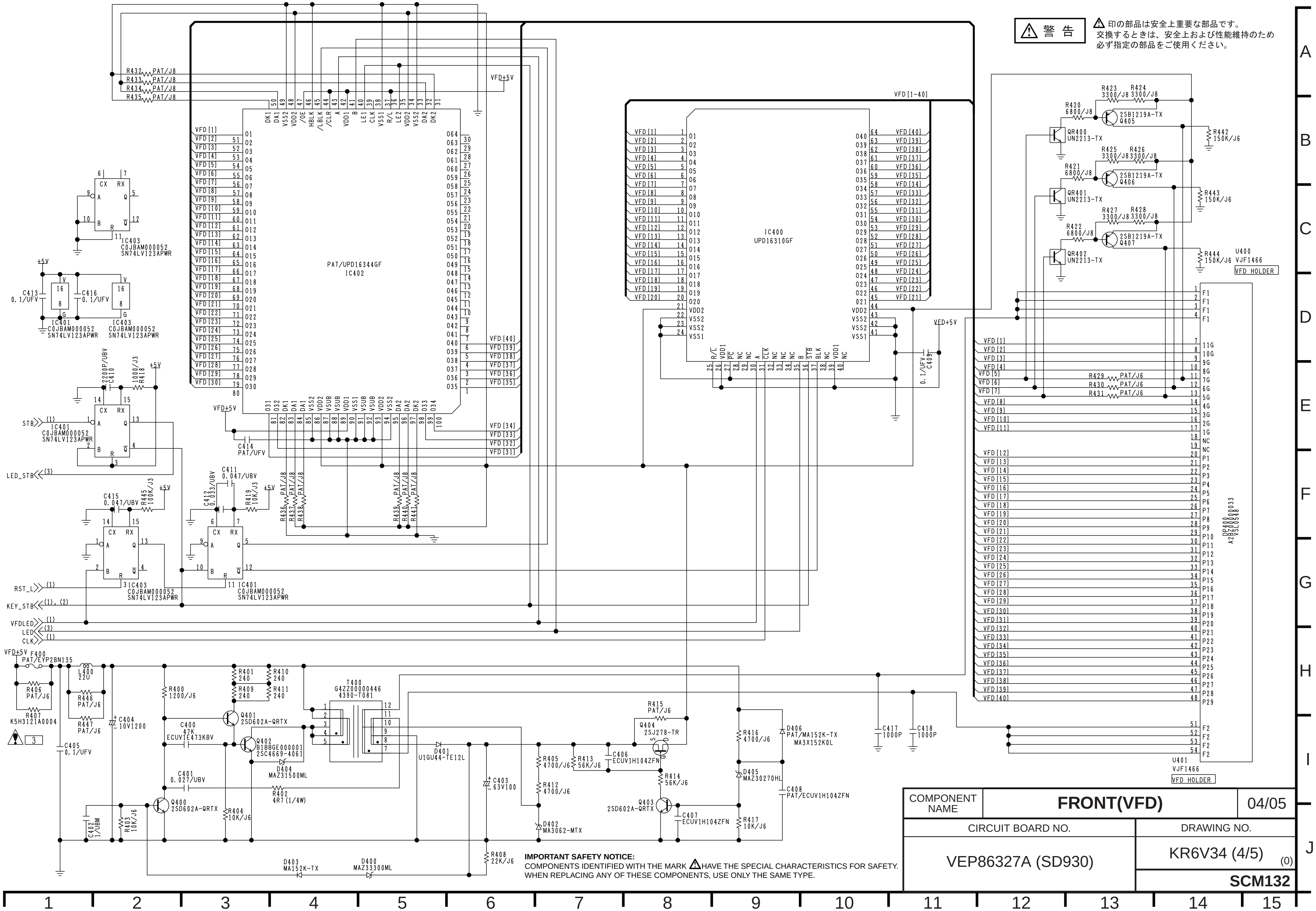

KEY_STB (4)
SW_CLK (1)
DIAL (1)
(1) KEY
IC200 C0JBAZ001935 PAT/SN74LV165ANSR
IC201 C0JBAZ001935 PAT/SN74LV165ANSR
IC202 C0JBAZ001935 PAT/SN74LV165ANSR
IC203 C0JBAZ001935 SN74LV165ANSR
IC204 C0JBAZ001935 SN74LV165ANSR
IC205 C0JBAZ001935 SN74LV165ANSR
IC206 C0JBAZ001935 SN74LV165ANSR
H G F E D C B A SH/LD CINH CLK SR QH QH
R216 PAT/J3
R215 47K/J3
+5V
ASSEM SW200 PAT/VSP0853A000 K0F111A00235
VIDEO SW201
CH1 SW202
CH2 SW203
CH3 SW204
CH4 SW205
CUE SW206
TC SW207
EDIT SW208 PAT/VSP0795 K0F111A00276
STANDBY SW209 PAT/VSP0864A000 K0F111A00243
PLAYER SW210
RECORDER SW211
V IN SW212
V OUT SW213
A IN SW214
A OUT SW215
PREV/REV SW216 PAT/VSP0864A000 K0F111A00243
AUTO EDIT SW217 PAT/K0F111A00367 VSP0864B000
PREROLL SW218
+ SW219 PAT/VSP0853A000 K0F111A00235
- SW220
SET SW221 PAT/VSP0864A000 K0F111A00243
FF SW222 K0F111A00279 VSP0791
STOP SW223 K0F111A00426
REW SW224 K0F111A00280 VSP0792
REC SW225 K0F111A00283 VSP0789
PLAY SW226 K0F111A00278 VSP0790
SHTL/SLOW SW227 K0F111A00243 VSP0864A000
SEARCH SW228 K0F111A00243 VSP0864A000
U200 VGU9191 CAP
U201 VGU9191 CAP
R214 4700/J3
*/REMOTE/LOCAL SW229 K0D113A00044 VSS0313
TAPE/EE SW230 K0D112A00094 VSS0279
INT REGEN INT PRESET EXT SW231 K0D113A00044 VSS0313
REC INH SW232 K0D112A00094 VSS0279
SUPER SW233 K0D112A00094 VSS0279
R217 PAT/J3
COUNTER SW234 EVQPAD04M
RESET SW235 EVQPAD04M
UNITY/VAR SW236 K0D112A00094 VSS0279
DIAG SW237 EVQPAD04M
SET SW238 EVQPAD04M
MENU SW239 EVQPAD04M
TC PRESET SW240 EVQPAD04M
FULL/FINE SW241 EVQPAD04M
MONI L SW242 EVQPAD04M
MONI R SW243 EVQPAD04M
MIX SW244 EVQPAD04M
PREREAD SW245 PAT/EVQPAD04M
FREE SW246 PAT/EVQPAD04M
VIDEO SW247 EVQPAD04M
AUDIO SW248 EVQPAD04M
R200 PAT/D1H847240002
R201 PAT/D1H847240002
R202 PAT/D1H847240002
R203 PAT/D1H847240002
R204 PAT/D1H847240002
R205 PAT/D1H847240002
R206 D1H847240002
R207 D1H847240002
R208 D1H847240002
R209 D1H847240002
R210 D1H847240002
R211 D1H847240002
R212 D1H847240002
R213 D1H847240002
TO EJECT
P200 PAT/VJP1243T
3 EJECT_SW
2 EJECT_LED
1 GND
EJECT_LED (3)
C200 PAT/UFV
C201 PAT/UFV
C202 PAT/UFV
C203 0.1/UFV
C204 0.1/UFV
C205 0.1/UFV
C206 0.1/UFV
A B C D E F G H I J
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

COMPONENT NAME	FRONT(KEY)	02/05

CIRCUIT BOARD NO.	DRAWING NO.
VEP86327A (SD930)	KR6V34 (2/5) (0)
	SCM130


LED_CLK (1)
RST_L (1)
LED_STB (4)
LED (4)
IC300 CD74HC4094NSR C0JBAQ000168
IC301 CD74HC4094NSR C0JBAQ000168
IC302 CD74HC4094NSR C0JBAQ000168
IC303 PAT/CD74HC4094NSR C0JBAQ000168
IC304 PAT/CD74HC4094NSR C0JBAQ000168
Q_S QS Q8 Q7 Q6 Q5 Q4 Q3 Q2 Q1 SI CK OE ST
V[0] V[1] V[2] V[3] V[4] V[5] V[6] V[7]
W[0] W[1] W[2] W[3] W[4] W[5] W[6] W[7]
X[0] X[1] X[2] X[3] X[4] X[5] X[6] X[7]
Y[0] Y[1] Y[2] Y[3] Y[4] Y[5] Y[6] Y[7]
Z[0] Z[1] Z[2] Z[3] Z[4] Z[5] Z[6] Z[7]
DIAL RING_L
DIAL RING_R
JOG
SHTL
VAR
LED SPACER
U300 VMX3227
U306 VMX3227
U301 VMX2126
U302 VMX2126
U303 VMX2126
U304 VMX2126
U305 VMX2126
D300 LNW9A8BYBZ
D306 LNW9A8BYBZ
D301 LN38GCPP
D302 LN38GCPP
D303 LN38GCPP
D304 LN48YCPP
D305 LN38GCPP
TO FRONT_SUB
P300 K1KB07A00019
1 GND
5 LED_DV
6 LED_DVCPRO
7 LED_DVCPRO50
EJECT_LED (2)
FF
STOP
REW
REC
PLAY
SHTL/SLOW
SEARCH
PREV/REV
AUTO EDIT
PREROLL
AUDIO REC
AUDIO PB
+
−
SET
EDIT
STANDBY
PLAYER
RECORDER
V IN
V OUT
A IN
A OUT
ASSEM
VIDEO
CH1
CH2
CH3
CH4
CUE
TC
+5V
UNR221400L
UN2214-TX
PAT/UN2214-TX
UN2114-TX
UNR211400L
PAT/J3
180/J3
SW200–SW228
K0F111A00243
K0F111A00235
PAT/VSP0864A000
PAT/VSP0853A000
C300 0.1/UFV
C301 0.1/UFV
C302 0.1/UFV
C303 PAT/UFV
C304 PAT/UFV
A B C D E F G H I J
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

COMPONENT NAME	FRONT(LED)	03/05
CIRCUIT BOARD NO.	DRAWING NO.	
VEP86327A (SD930)	KR6V34 (3/5) (0)	
	SCM131	


IC402
PAT/UPD16344GF
IC400
UPD16310GF
IC401
C0JBAM000052
SN74LV123APWR
IC403
C0JBAM000052
SN74LV123APWR
STB
LED_STB
RST_L
KEY_STB
VFDLED
LED
CLK
VFD+5V
+5V
VFD[1-40]
F400
PAT/EYP2BN135
L400
22U
K5H3121A0004
T400
G4ZZ00000446
4390-T081
Q400
2SD602A-QRTX
Q401
2SD602A-QRTX
Q402
B1BBGE000001
2SC4669-4061
Q403
2SD602A-QRTX
Q404
2SJ278-TR
Q405
Q406
Q407
2SB1219A-TX
QR400
QR401
QR402
UN2213-TX
D400
MAZ33300ML
D401
U1GU44-TE12L
D402
MA3062-MTX
D403
MA152K-TX
D404
MAZ31500ML
D405
MAZ30270HL
D406
PAT/MA152K-TX
MA3X152K0L
R400 1200/J6
R401 240
R402 4R7(1/4W)
R403 10K/J6
R404 10K/J6
R405 4700/J6
R406 PAT/J6
R407
R408 22K/J6
R409 240
R410 240
R411 240
R412 4700/J6
R413 56K/J6
R414 56K/J6
R415 PAT/J6
R416 4700/J6
R417 10K/J6
R418 1000/J3
R419 10K/J3
R420 6800/J8
R421 6800/J8
R422 6800/J8
R423 3300/J8
R424 3300/J8
R425 3300/J8
R426 3300/J8
R427 3300/J8
R428 3300/J8
R429 PAT/J6
R430 PAT/J6
R431 PAT/J6
R432 PAT/J8
R433 PAT/J8
R434 PAT/J8
R435 PAT/J8
R436 PAT/J8
R437 PAT/J8
R438 PAT/J8
R439 PAT/J8
R440 PAT/J8
R441 PAT/J8
R442 150K/J6
R443 150K/J6
R444 150K/J6
R445 100K/J3
R446 PAT/J6
R447 PAT/J6
C400 47K ECUV1E473KBV
C401 0.027/UBV
C402 1/UBM
C403 63V100
C404 10V1200
C405 0.1/UFV
C406 ECUV1H104ZFN
C407 ECUV1H104ZFN
C408 PAT/ECUV1H104ZFN
C409 0.1/UFV
C410 2200P/UBV
C411 0.047/UBV
C412 0.033/UBV
C413 0.1/UFV
C414 PAT/UFV
C415 0.047/UBV
C416 0.1/UFV
C417 1000P
C418 1000P
DP400
A2BZ00000033
VSL0548
U400
VJF1466
VFD HOLDER
U401
VJF1466
VFD HOLDER
A
B
C
D
E
F
G
H
I
J
1
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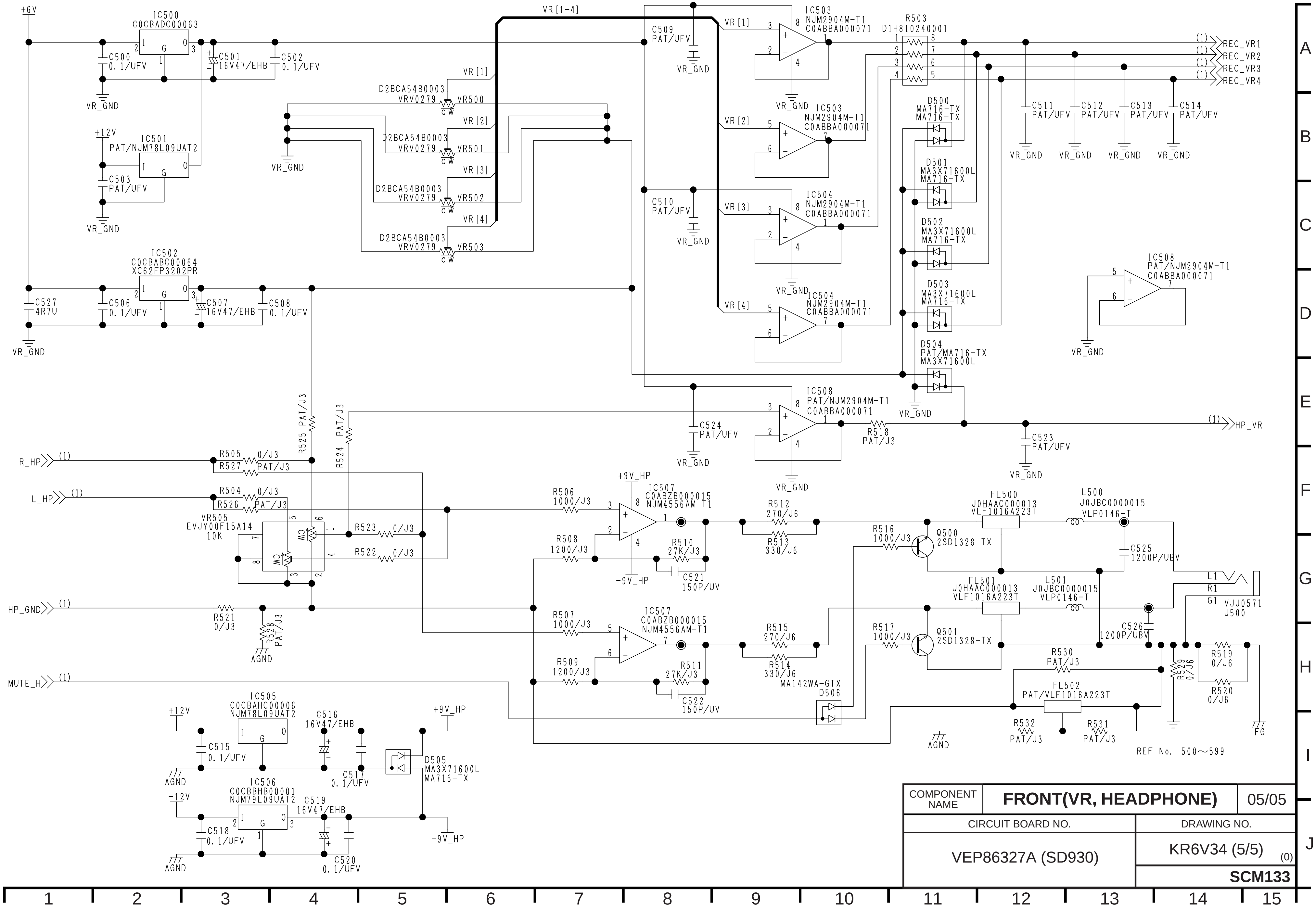
⚠ 警 告

⚠ 印の部品は安全上重要な部品です。
交換するときは、安全上および性能維持のため
必ず指定の部品をご使用ください。

IMPORTANT SAFETY NOTICE:
COMPONENTS IDENTIFIED WITH THE MARK ⚠ HAVE THE SPECIAL CHARACTERISTICS FOR SAFETY.
WHEN REPLACING ANY OF THESE COMPONENTS, USE ONLY THE SAME TYPE.

COMPONENT NAME	**FRONT(VFD)**	04/05
CIRCUIT BOARD NO.	DRAWING NO.	
VEP86327A (SD930)	KR6V34 (4/5) (0)	
	SCM132	


+6V
IC500
C0CBADC00063
C500
0.1/UFV
C501
16V47/EHB
C502
0.1/UFV
VR_GND
+12V
IC501
PAT/NJM78L09UAT2
C503
PAT/UFV
IC502
C0CBABC00064
XC62FP3202PR
C527
4R7U
C506
0.1/UFV
C507
16V47/EHB
C508
0.1/UFV
VR[1-4]
VR[1]
VR[2]
VR[3]
VR[4]
D2BCA54B0003
VRV0279
VR500
VR501
VR502
VR503
CW
C509
PAT/UFV
C510
PAT/UFV
IC503
NJM2904M-T1
C0ABBA000071
IC504
NJM2904M-T1
C0ABBA000071
R503
D1H810240001
D500
MA716-TX
MA716-TX
D501
MA3X71600L
MA716-TX
D502
MA3X71600L
MA716-TX
D503
MA3X71600L
MA716-TX
D504
PAT/MA716-TX
MA3X71600L
(1) REC_VR1
(1) REC_VR2
(1) REC_VR3
(1) REC_VR4
C511
PAT/UFV
C512
PAT/UFV
C513
PAT/UFV
C514
PAT/UFV
IC508
PAT/NJM2904M-T1
C0ABBA000071
C524
PAT/UFV
R518
PAT/J3
C523
PAT/UFV
(1) HP_VR
R_HP (1)
L_HP (1)
HP_GND (1)
MUTE_H (1)
R505 0/J3
R527 PAT/J3
R504 0/J3
R526 PAT/J3
R525 PAT/J3
R524 PAT/J3
VR505
EVJY00F15A14
10K
R523 0/J3
R522 0/J3
R521
0/J3
R528
PAT/J3
AGND
+9V_HP
-9V_HP
R506
1000/J3
R508
1200/J3
IC507
C0ABZB000015
NJM4556AM-T1
R510
27K/J3
C521
150P/UV
R507
1000/J3
R509
1200/J3
R511
27K/J3
C522
150P/UV
R512
270/J6
R513
330/J6
R515
270/J6
R514
330/J6
MA142WA-GTX
D506
R516
1000/J3
R517
1000/J3
Q500
2SD1328-TX
Q501
2SD1328-TX
FL500
J0HAAC000013
VLF1016A223T
FL501
J0HAAC000013
VLF1016A223T
L500
J0JBC0000015
VLP0146-T
L501
J0JBC0000015
VLP0146-T
C525
1200P/UBV
C526
1200P/UBV
L1
R1
G1
VJJ0571
J500
R530
PAT/J3
R529
0/J6
R519
0/J6
R520
0/J6
FL502
PAT/VLF1016A223T
R532
PAT/J3
R531
PAT/J3
FG
REF No. 500〜599
IC505
C0CBAHC00006
NJM78L09UAT2
C515
0.1/UFV
C516
16V47/EHB
C517
0.1/UFV
D505
MA3X71600L
MA716-TX
-12V
IC506
C0CBBHB00001
NJM79L09UAT2
C518
0.1/UFV
C519
16V47/EHB
C520
0.1/UFV
A
B
C
D
E
F
G
H
I
J
1
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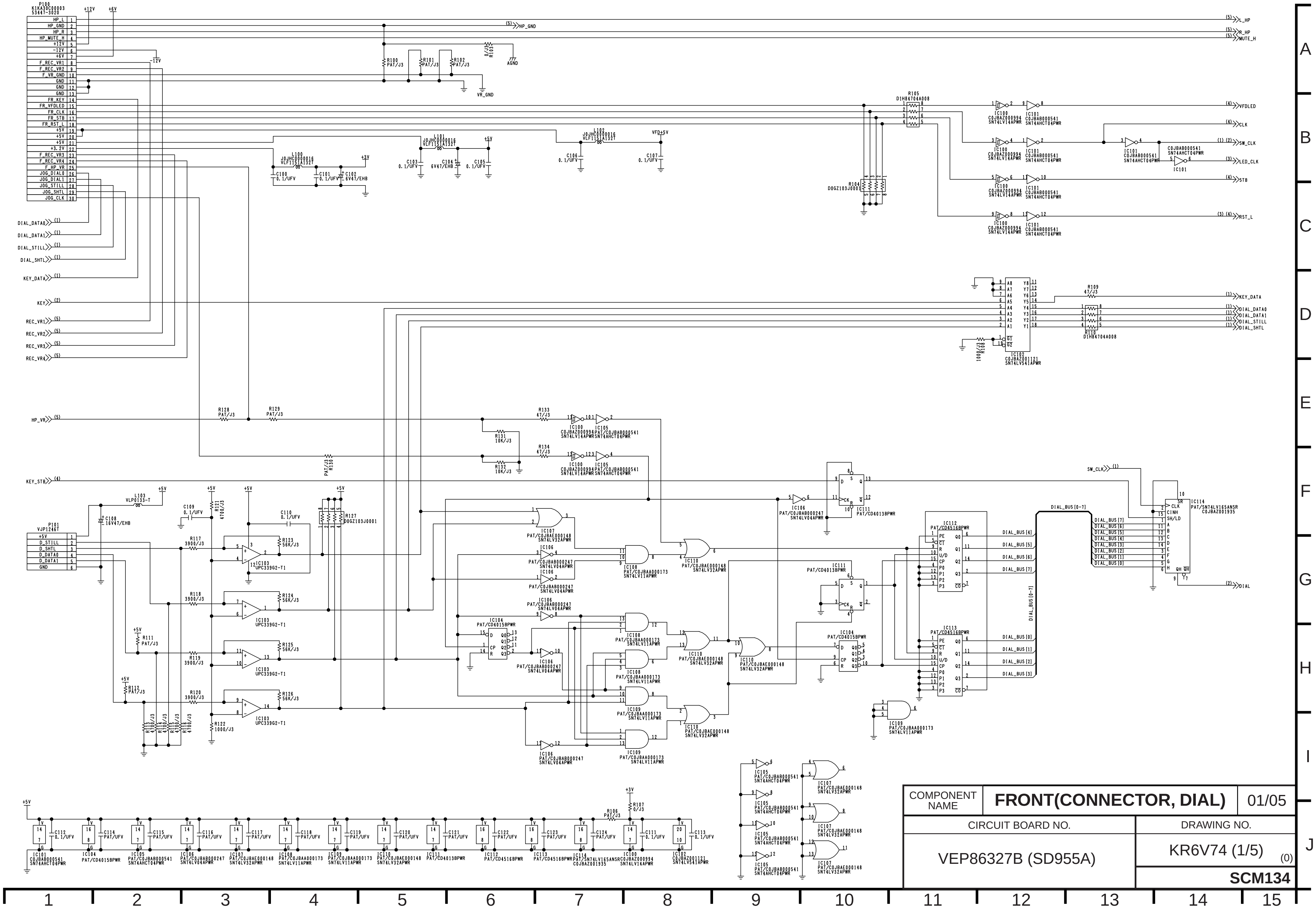
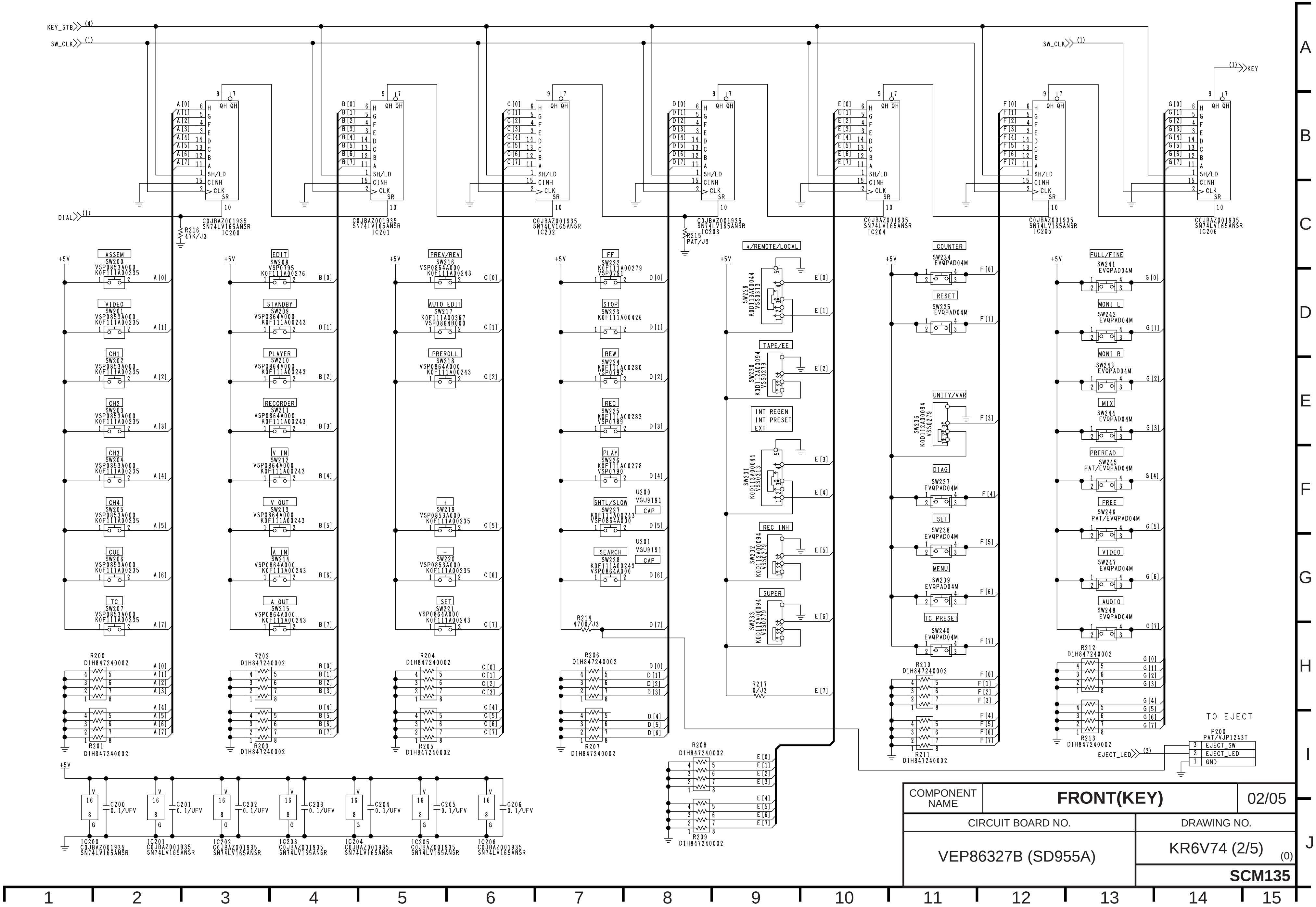
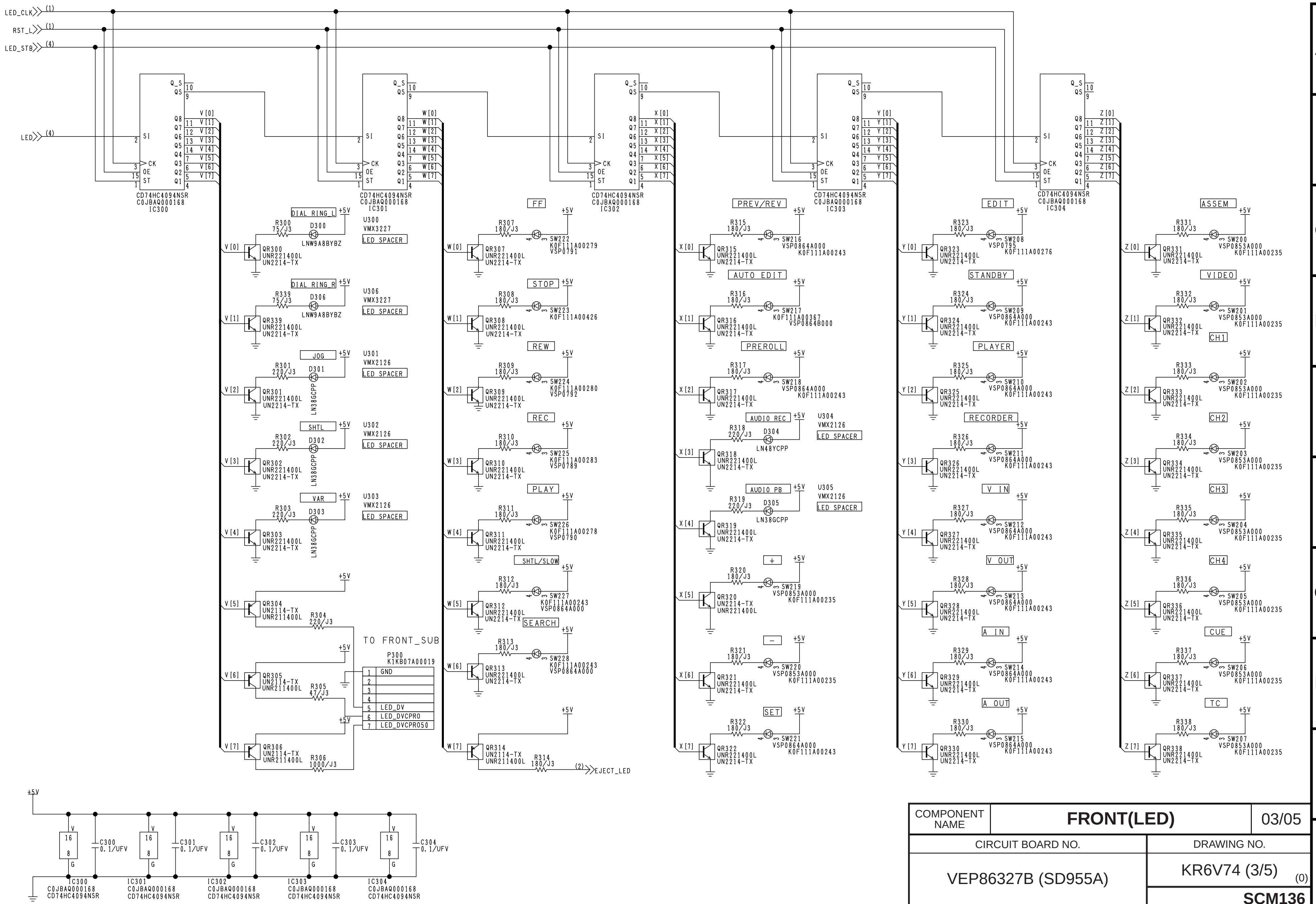
COMPONENT NAME	**FRONT(VR, HEADPHONE)**	05/05
CIRCUIT BOARD NO.	DRAWING NO.	
VEP86327A (SD930)	KR6V34 (5/5) (0)	
	SCM133	


P100
K1KA30C00003
53447-3020
HP_L
HP_GND
HP_R
HP_MUTE_H
+12V
-12V
+6V
F_REC_VR1
F_REC_VR2
F_VR_GND
GND
FR_KEY
FR_VFDLED
FR_CLK
FR_STB
FR_RST_L
+5V
+3.2V
F_REC_VR3
F_REC_VR4
F_HP_VR
JOG_DIAL0
JOG_DIAL1
JOG_STILL
JOG_SHTL
JOG_CLK
DIAL_DATA0
DIAL_DATA1
DIAL_STILL
DIAL_SHTL
KEY_DATA
KEY
REC_VR1
REC_VR2
REC_VR3
REC_VR4
HP_VR
KEY_STB
L_HP
R_HP
MUTE_H
AGND
VR_GND
VFDLED
CLK
SW_CLK
LED_CLK
STB
RST_L
VFD+5V
R105
D1H84704A008
R104
D0GZ103J0001
IC100
C0JBAZ000994
SN74LV14APWR
IC101
C0JBAB000541
SN74AHCT04PWR
IC102
C0JBAZ001121
SN74LV541APWR
R109
R110
P101
VJP1246T
D_STILL
D_SHTL
D_DATA0
D_DATA1
IC103
UPC339G2-T1
IC104
PAT/CD4015BPWR
IC105
IC106
PAT/C0JBAB000247
SN74LV04APWR
IC107
PAT/C0JBAE000148
SN74LV32APWR
IC108
PAT/C0JBAA000173
SN74LV11APWR
IC109
IC110
IC111
PAT/CD4013BPWR
IC112
PAT/CD4516BPWR
IC113
IC114
PAT/SN74LV165ANSR
C0JBAZ001935
DIAL_BUS[0-7]
DIAL

COMPONENT NAME	FRONT(CONNECTOR, DIAL)	01/05
CIRCUIT BOARD NO.	DRAWING NO.	
VEP86327B (SD955A)	KR6V74 (1/5) (0)	
	SCM134	


KEY_STB (4)
SW_CLK (1)
DIAL (1)
SW_CLK (1)
(1) KEY
C0JBAZ001935 SN74LV165ANSR IC200
C0JBAZ001935 SN74LV165ANSR IC201
C0JBAZ001935 SN74LV165ANSR IC202
C0JBAZ001935 SN74LV165ANSR IC203
C0JBAZ001935 SN74LV165ANSR IC204
C0JBAZ001935 SN74LV165ANSR IC205
C0JBAZ001935 SN74LV165ANSR IC206
H G F E D C B A SH/LD CINH CLK SR QH QH
R216 47K/J3
R215 PAT/J3
+5V
ASSEM SW200 VSP0853A000 K0F111A00235
VIDEO SW201 VSP0853A000 K0F111A00235
CH1 SW202 VSP0853A000 K0F111A00235
CH2 SW203 VSP0853A000 K0F111A00235
CH3 SW204 VSP0853A000 K0F111A00235
CH4 SW205 VSP0853A000 K0F111A00235
CUE SW206 VSP0853A000 K0F111A00235
TC SW207 VSP0853A000 K0F111A00235
EDIT SW208 VSP0795 K0F111A00276
STANDBY SW209 VSP0864A000 K0F111A00243
PLAYER SW210 VSP0864A000 K0F111A00243
RECORDER SW211 VSP0864A000 K0F111A00243
V IN SW212 VSP0864A000 K0F111A00243
V OUT SW213 VSP0864A000 K0F111A00243
A IN SW214 VSP0864A000 K0F111A00243
A OUT SW215 VSP0864A000 K0F111A00243
PREV/REV SW216 VSP0864A000 K0F111A00243
AUTO EDIT SW217 K0F111A00367 VSP0864B000
PREROLL SW218 VSP0864A000 K0F111A00243
+ SW219 VSP0853A000 K0F111A00235
- SW220 VSP0853A000 K0F111A00235
SET SW221 VSP0864A000 K0F111A00243
FF SW222 K0F111A00279 VSP0791
STOP SW223 K0F111A00426
REW SW224 K0F111A00280 VSP0792
REC SW225 K0F111A00283 VSP0789
PLAY SW226 K0F111A00278 VSP0790
SHTL/SLOW SW227 K0F111A00243 VSP0864A000
U200 VGU9191 CAP
SEARCH SW228 K0F111A00243 VSP0864A000
U201 VGU9191 CAP
R214 4700/J3
*/REMOTE/LOCAL SW229 K0D113A00044 VSS0313
TAPE/EE SW230 K0D112A00094 VSS0279
INT REGEN INT PRESET EXT SW231 K0D113A00044 VSS0313
REC INH SW232 K0D112A00094 VSS0279
SUPER SW233 K0D112A00094 VSS0279
R217 0/J3
COUNTER SW234 EVQPAD04M
RESET SW235 EVQPAD04M
UNITY/VAR SW236 K0D112A00094 VSS0279
DIAG SW237 EVQPAD04M
SET SW238 EVQPAD04M
MENU SW239 EVQPAD04M
TC PRESET SW240 EVQPAD04M
FULL/FINE SW241 EVQPAD04M
MONI L SW242 EVQPAD04M
MONI R SW243 EVQPAD04M
MIX SW244 EVQPAD04M
PREREAD SW245 PAT/EVQPAD04M
FREE SW246 PAT/EVQPAD04M
VIDEO SW247 EVQPAD04M
AUDIO SW248 EVQPAD04M
R200 D1H847240002
R201 D1H847240002
R202 D1H847240002
R203 D1H847240002
R204 D1H847240002
R205 D1H847240002
R206 D1H847240002
R207 D1H847240002
R208 D1H847240002
R209 D1H847240002
R210 D1H847240002
R211 D1H847240002
R212 D1H847240002
R213 D1H847240002
A[0] A[1] A[2] A[3] A[4] A[5] A[6] A[7]
B[0] B[1] B[2] B[3] B[4] B[5] B[6] B[7]
C[0] C[1] C[2] C[3] C[4] C[5] C[6] C[7]
D[0] D[1] D[2] D[3] D[4] D[5] D[6] D[7]
E[0] E[1] E[2] E[3] E[4] E[5] E[6] E[7]
F[0] F[1] F[2] F[3] F[4] F[5] F[6] F[7]
G[0] G[1] G[2] G[3] G[4] G[5] G[6] G[7]
TO EJECT
P200 PAT/VJP1243T
3 EJECT_SW
2 EJECT_LED
1 GND
EJECT_LED (3)
C200 0.1/UFV
C201 0.1/UFV
C202 0.1/UFV
C203 0.1/UFV
C204 0.1/UFV
C205 0.1/UFV
C206 0.1/UFV
IC200 C0JBAZ001935 SN74LV165ANSR
IC201 C0JBAZ001935 SN74LV165ANSR
IC202 C0JBAZ001935 SN74LV165ANSR
IC203 C0JBAZ001935 SN74LV165ANSR
IC204 C0JBAZ001935 SN74LV165ANSR
IC205 C0JBAZ001935 SN74LV165ANSR
IC206 C0JBAZ001935 SN74LV165ANSR
A B C D E F G H I J
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

COMPONENT NAME	FRONT(KEY)	02/05
CIRCUIT BOARD NO.		DRAWING NO.
VEP86327B (SD955A)		KR6V74 (2/5) (0)
		SCM135


LED_CLK (1)
RST_L (1)
LED_STB (4)
LED (4)
SI
CK
OE
ST
Q_S
QS
Q8
Q7
Q6
Q5
Q4
Q3
Q2
Q1
CD74HC4094NSR
C0JBAQ000168
IC300
IC301
IC302
IC303
IC304
V[0]
V[1]
V[2]
V[3]
V[4]
V[5]
V[6]
V[7]
W[0]
W[1]
W[2]
W[3]
W[4]
W[5]
W[6]
W[7]
X[0]
X[1]
X[2]
X[3]
X[4]
X[5]
X[6]
X[7]
Y[0]
Y[1]
Y[2]
Y[3]
Y[4]
Y[5]
Y[6]
Y[7]
Z[0]
Z[1]
Z[2]
Z[3]
Z[4]
Z[5]
Z[6]
Z[7]
+5V
DIAL RING L
R300 75/J3
D300 LNW9A8BYBZ
U300 VMX3227
LED SPACER
QR300 UNR221400L UN2214-TX
DIAL RING R
R339 75/J3
D306 LNW9A8BYBZ
U306 VMX3227
QR339 UNR221400L UN2214-TX
JOG
R301 220/J3
D301 LN38GCPP
U301 VMX2126
QR301 UNR221400L UN2214-TX
SHTL
R302 220/J3
D302 LN38GCPP
U302 VMX2126
QR302 UNR221400L UN2214-TX
VAR
R303 220/J3
D303 LN38GCPP
U303 VMX2126
QR303 UNR221400L UN2214-TX
QR304 UN2114-TX UNR211400L
R304 220/J3
QR305 UN2114-TX UNR211400L
R305 47/J3
QR306 UN2114-TX UNR211400L
R306 1000/J3
TO FRONT_SUB
P300 K1KB07A00019
1 GND
2
3
4
5 LED_DV
6 LED_DVCPRO
7 LED_DVCPRO50
FF
R307 180/J3
SW222 K0F111A00279 VSP0791
QR307 UNR221400L UN2214-TX
STOP
R308 180/J3
SW223 K0F111A00426
QR308 UNR221400L UN2214-TX
REW
R309 180/J3
SW224 K0F111A00280 VSP0792
QR309 UNR221400L UN2214-TX
REC
R310 180/J3
SW225 K0F111A00283 VSP0789
QR310 UNR221400L UN2214-TX
PLAY
R311 180/J3
SW226 K0F111A00278 VSP0790
QR311 UNR221400L UN2214-TX
SHTL/SLOW
R312 180/J3
SW227 K0F111A00243 VSP0864A000
QR312 UNR221400L UN2214-TX
SEARCH
R313 180/J3
SW228 K0F111A00243 VSP0864A000
QR313 UNR221400L UN2214-TX
QR314 UN2114-TX UNR211400L
R314 180/J3
(2) EJECT_LED
PREV/REV
R315 180/J3
SW216 VSP0864A000 K0F111A00243
QR315 UNR221400L UN2214-TX
AUTO EDIT
R316 180/J3
SW217 K0F111A00367 VSP0864B000
QR316 UNR221400L UN2214-TX
PREROLL
R317 180/J3
SW218 VSP0864A000 K0F111A00243
QR317 UNR221400L UN2214-TX
AUDIO REC
R318 220/J3
D304 LN48YCPP
U304 VMX2126
QR318 UNR221400L UN2214-TX
AUDIO PB
R319 220/J3
D305 LN38GCPP
U305 VMX2126
QR319 UNR221400L UN2214-TX
+
R320 180/J3
SW219 VSP0853A000 K0F111A00235
QR320 UN2214-TX UNR221400L
−
R321 180/J3
SW220 VSP0853A000 K0F111A00235
QR321 UNR221400L UN2214-TX
SET
R322 180/J3
SW221 VSP0864A000 K0F111A00243
QR322 UNR221400L UN2214-TX
EDIT
R323 180/J3
SW208 VSP0795 K0F111A00276
QR323 UNR221400L UN2214-TX
STANDBY
R324 180/J3
SW209 VSP0864A000 K0F111A00243
QR324 UNR221400L UN2214-TX
PLAYER
R325 180/J3
SW210 VSP0864A000 K0F111A00243
QR325 UNR221400L UN2214-TX
RECORDER
R326 180/J3
SW211 VSP0864A000 K0F111A00243
QR326 UNR221400L UN2214-TX
V IN
R327 180/J3
SW212 VSP0864A000 K0F111A00243
QR327 UNR221400L UN2214-TX
V OUT
R328 180/J3
SW213 VSP0864A000 K0F111A00243
QR328 UNR221400L UN2214-TX
A IN
R329 180/J3
SW214 VSP0864A000 K0F111A00243
QR329 UNR221400L UN2214-TX
A OUT
R330 180/J3
SW215 VSP0864A000 K0F111A00243
QR330 UNR221400L UN2214-TX
ASSEM
R331 180/J3
SW200 VSP0853A000 K0F111A00235
QR331 UNR221400L UN2214-TX
VIDEO
R332 180/J3
SW201 VSP0853A000 K0F111A00235
QR332 UNR221400L UN2214-TX
CH1
R333 180/J3
SW202 VSP0853A000 K0F111A00235
QR333 UNR221400L UN2214-TX
CH2
R334 180/J3
SW203 VSP0853A000 K0F111A00235
QR334 UNR221400L UN2214-TX
CH3
R335 180/J3
SW204 VSP0853A000 K0F111A00235
QR335 UNR221400L UN2214-TX
CH4
R336 180/J3
SW205 VSP0853A000 K0F111A00235
QR336 UNR221400L UN2214-TX
CUE
R337 180/J3
SW206 VSP0853A000 K0F111A00235
QR337 UNR221400L UN2214-TX
TC
R338 180/J3
SW207 VSP0853A000 K0F111A00235
QR338 UNR221400L UN2214-TX
C300 0.1/UFV
C301 0.1/UFV
C302 0.1/UFV
C303 0.1/UFV
C304 0.1/UFV
V
16
8
G
A
B
C
D
E
F
G
H
I
J
1
2
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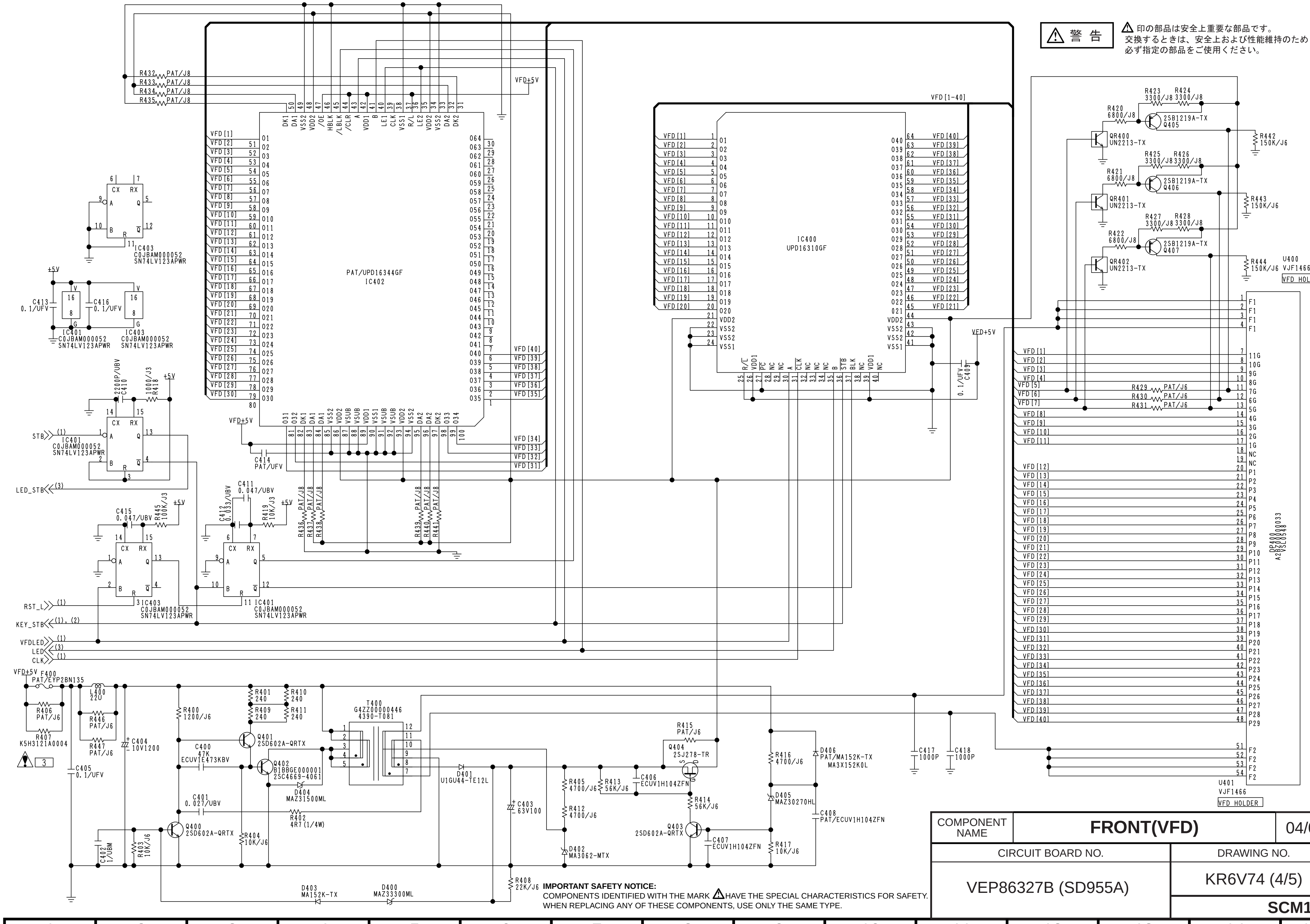
COMPONENT NAME	FRONT(LED)	03/05
CIRCUIT BOARD NO.	DRAWING NO.	
VEP86327B (SD955A)	KR6V74 (3/5) (0)	
	SCM136	

⚠ 警 告

⚠ 印の部品は安全上重要な部品です。
交換するときは、安全上および性能維持のため
必ず指定の部品をご使用ください。



IC402 PAT/UPD16344GF
IC400 UPD16310GF
IC401 C0JBAM000052 SN74LV123APWR
IC403 C0JBAM000052 SN74LV123APWR
VFD+5V
VFD[1-40]
STB
LED_STB
RST_L
KEY_STB
VFDLED
LED
CLK
F400 PAT/EYP2BN135
L400 22U
T400 G4ZZ00000446 4390-T081
Q400 2SD602A-QRTX
Q401 2SD602A-QRTX
Q402 B1BBGE000001 2SC4669-4061
Q403 2SD602A-QRTX
Q404 2SJ278-TR
Q405 2SB1219A-TX
Q406 2SB1219A-TX
Q407 2SB1219A-TX
QR400 UN2213-TX
QR401 UN2213-TX
QR402 UN2213-TX
D400 MAZ33300ML
D401 U1GU44-TE12L
D402 MA3062-MTX
D403 MA152K-TX
D404 MAZ31500ML
D405 MAZ30270HL
D406 PAT/MA152K-TX MA3X152K0L
DP400 A2BZ00000033 VSL0548
U400 VJF1466 VFD HOLDER
U401 VJF1466 VFD HOLDER
A
B
C
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J
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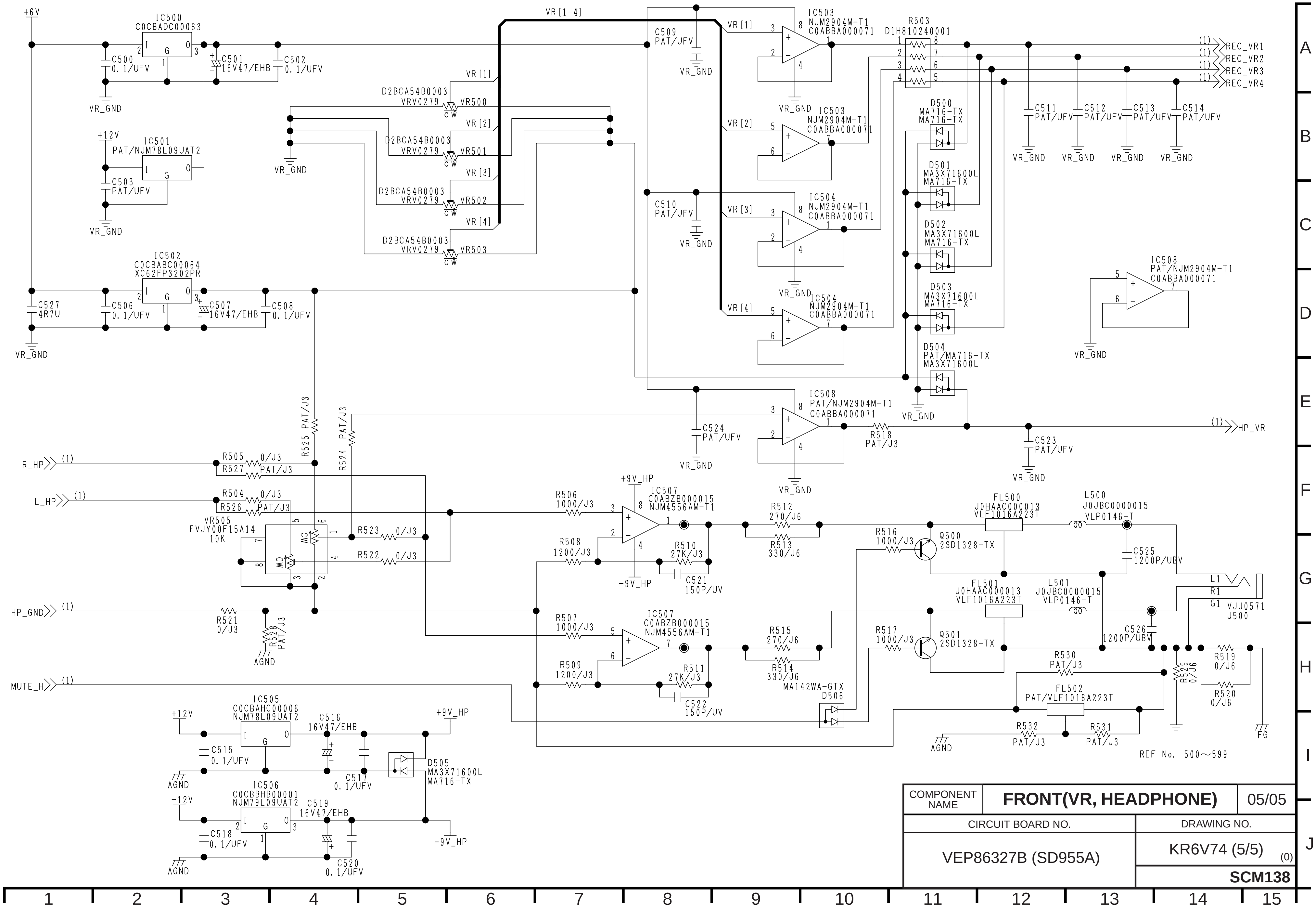
IMPORTANT SAFETY NOTICE:
COMPONENTS IDENTIFIED WITH THE MARK ⚠ HAVE THE SPECIAL CHARACTERISTICS FOR SAFETY.
WHEN REPLACING ANY OF THESE COMPONENTS, USE ONLY THE SAME TYPE.

COMPONENT NAME	FRONT(VFD)	04/05
CIRCUIT BOARD NO.	DRAWING NO.	
VEP86327B (SD955A)	KR6V74 (4/5) (0)	
	SCM137	


+6V
IC500
C0CBADC00063
C500
0.1/UFV
C501
16V47/EHB
C502
0.1/UFV
VR_GND
+12V
IC501
PAT/NJM78L09UAT2
C503
PAT/UFV
IC502
C0CBABC00064
XC62FP3202PR
C527
4R7U
C506
0.1/UFV
C507
16V47/EHB
C508
0.1/UFV
VR[1-4]
VR[1]
VR[2]
VR[3]
VR[4]
D2BCA54B0003
VRV0279
VR500
VR501
VR502
VR503
CW
C509
PAT/UFV
C510
PAT/UFV
IC503
NJM2904M-T1
C0ABBA000071
IC504
NJM2904M-T1
C0ABBA000071
R503
D1H810240001
D500
MA716-TX
MA716-TX
D501
MA3X71600L
MA716-TX
D502
MA3X71600L
MA716-TX
D503
MA3X71600L
MA716-TX
D504
PAT/MA716-TX
MA3X71600L
C511
PAT/UFV
C512
PAT/UFV
C513
PAT/UFV
C514
PAT/UFV
(1) REC_VR1
(1) REC_VR2
(1) REC_VR3
(1) REC_VR4
IC508
PAT/NJM2904M-T1
C0ABBA000071
C524
PAT/UFV
R518
PAT/J3
C523
PAT/UFV
(1) HP_VR
R525 PAT/J3
R524 PAT/J3
R_HP (1)
L_HP (1)
HP_GND (1)
MUTE_H (1)
R505 0/J3
R527 PAT/J3
R504 0/J3
R526 PAT/J3
VR505
EVJY00F15A14
10K
R523 0/J3
R522 0/J3
R521
0/J3
R528
PAT/J3
AGND
+9V_HP
-9V_HP
IC507
C0ABZB000015
NJM4556AM-T1
R506 1000/J3
R508 1200/J3
R510 27K/J3
C521 150P/UV
R507 1000/J3
R509 1200/J3
R511 27K/J3
C522 150P/UV
R512 270/J6
R513 330/J6
R515 270/J6
R514 330/J6
R516 1000/J3
R517 1000/J3
Q500 2SD1328-TX
Q501 2SD1328-TX
FL500
J0HAAC000013
VLF1016A223T
FL501
J0HAAC000013
VLF1016A223T
L500
J0JBC0000015
VLP0146-T
L501
J0JBC0000015
VLP0146-T
C525
1200P/UBV
C526
1200P/UBV
L1
R1
G1
VJJ0571
J500
R530 PAT/J3
R529 0/J6
R519 0/J6
R520 0/J6
FL502
PAT/VLF1016A223T
R532 PAT/J3
R531 PAT/J3
FG
MA142WA-GTX
D506
IC505
C0CBAHC00006
NJM78L09UAT2
C515 0.1/UFV
C516 16V47/EHB
C517 0.1/UFV
D505
MA3X71600L
MA716-TX
-12V
IC506
C0CBBHB00001
NJM79L09UAT2
C518 0.1/UFV
C519 16V47/EHB
C520 0.1/UFV
REF No. 500～599
A
B
C
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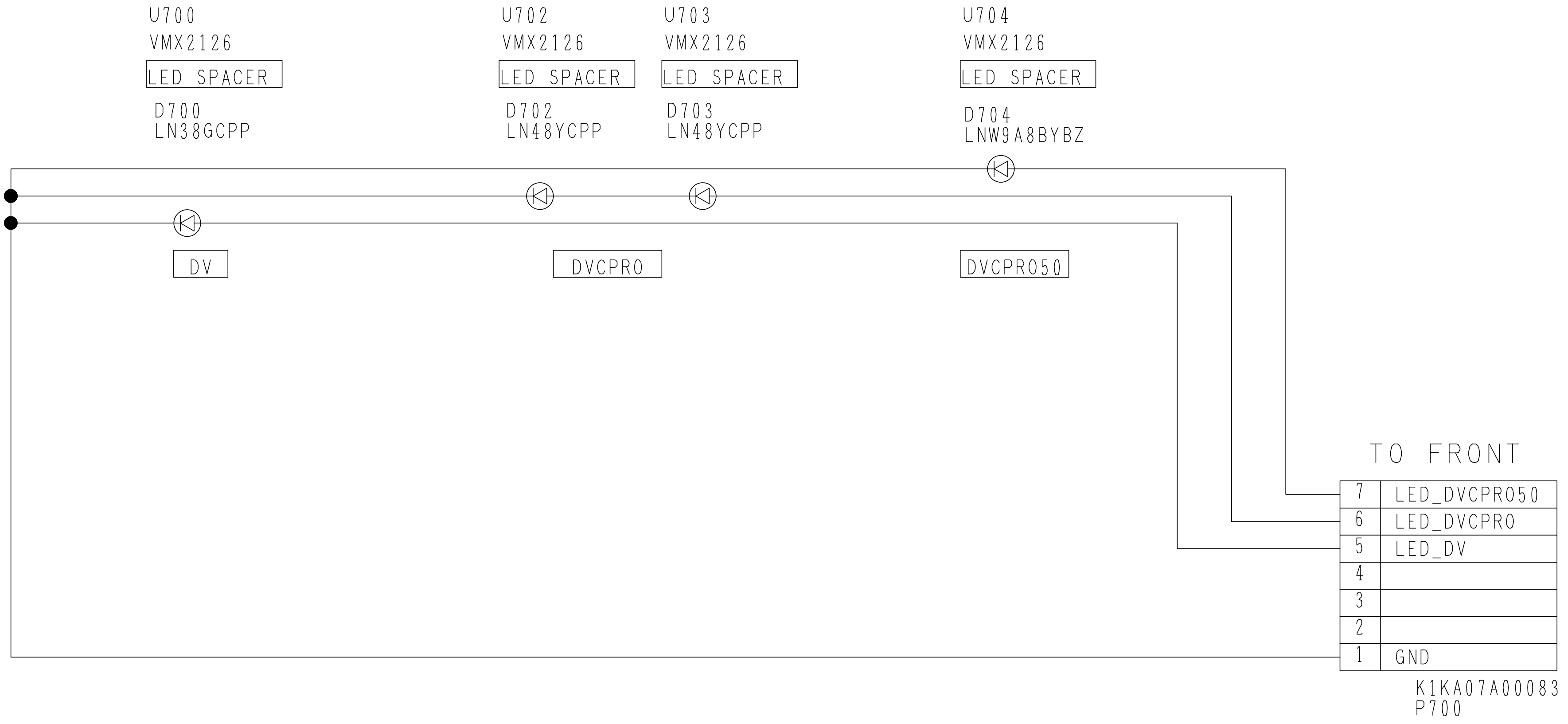
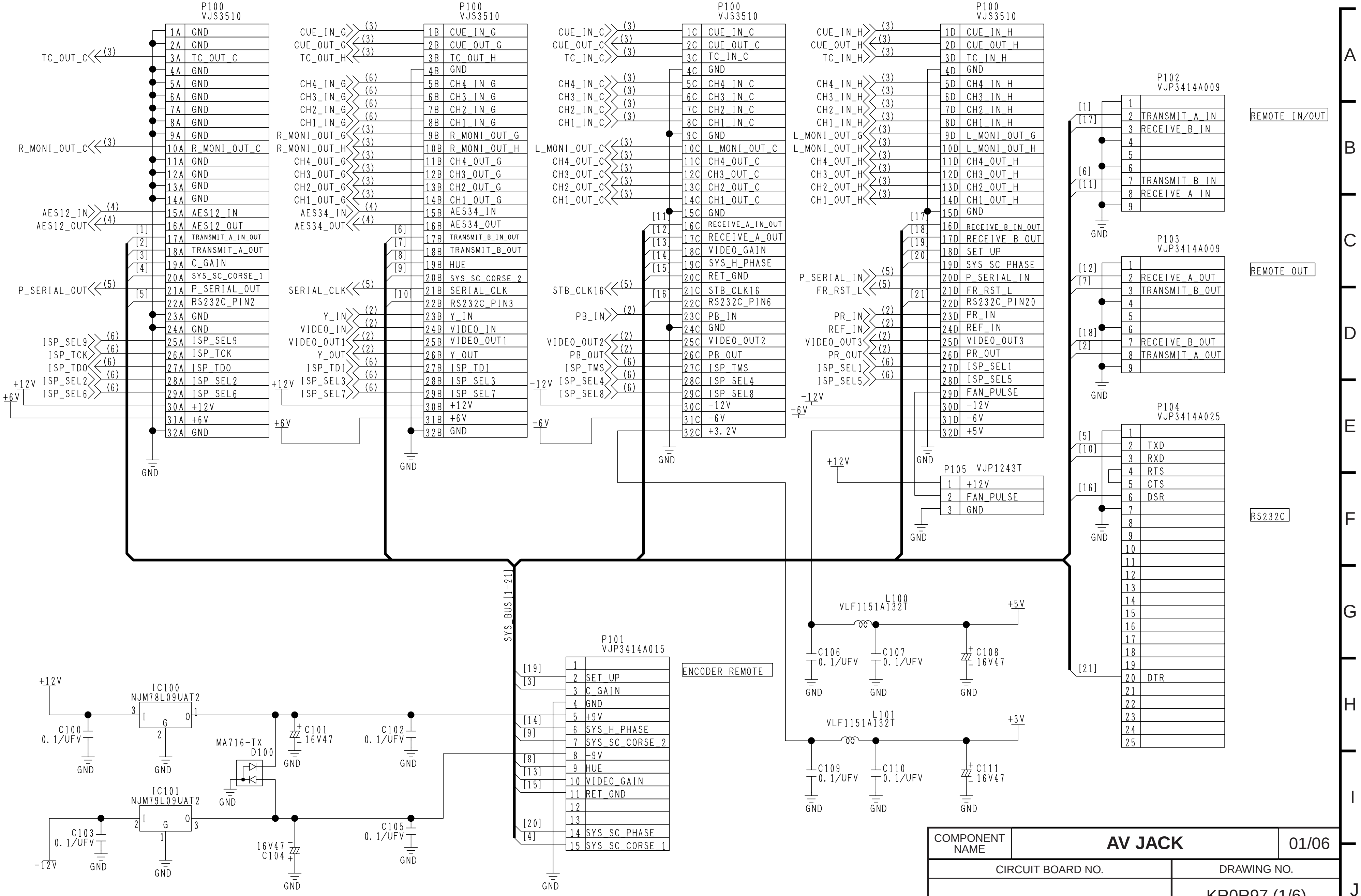
COMPONENT NAME	FRONT(VR, HEADPHONE)	05/05
CIRCUIT BOARD NO.	DRAWING NO.	
VEP86327B (SD955A)	KR6V74 (5/5) (0)	
	SCM138	


U700
VMX2126
LED SPACER
D700
LN38GCPP
U702
VMX2126
LED SPACER
D702
LN48YCPP
U703
VMX2126
LED SPACER
D703
LN48YCPP
U704
VMX2126
LED SPACER
D704
LNW9A8BYBZ
DV
DVCPRO
DVCPRO50
TO FRONT
7 LED_DVCPRO50
6 LED_DVCPRO
5 LED_DV
4
3
2
1 GND
K1KA07A00083
P700

COMPONENT NAME	FRONT SUB	01/01
CIRCUIT BOARD NO.	DRAWING NO.	
VEP80C43A	KR0S10 (1/1) (0)	
	SCM139	


P100 VJS3510
1A GND
2A GND
3A TC_OUT_C
4A GND
5A GND
6A GND
7A GND
8A GND
9A GND
10A R_MONI_OUT_C
11A GND
12A GND
13A GND
14A GND
15A AES12_IN
16A AES12_OUT
17A TRANSMIT_A_IN_OUT
18A TRANSMIT_A_OUT
19A C_GAIN
20A SYS_SC_CORSE_1
21A P_SERIAL_OUT
22A RS232C_PIN2
23A GND
24A GND
25A ISP_SEL9
26A ISP_TCK
27A ISP_TDO
28A ISP_SEL2
29A ISP_SEL6
30A +12V
31A +6V
32A GND
TC_OUT_C (3)
R_MONI_OUT_C (3)
AES12_IN (4)
AES12_OUT (4)
P_SERIAL_OUT (5)
ISP_SEL9 (6)
ISP_TCK (6)
ISP_TDO (6)
ISP_SEL2 (6)
ISP_SEL6 (6)
+12V
+6V
GND
1B CUE_IN_G
2B CUE_OUT_G
3B TC_OUT_H
4B GND
5B CH4_IN_G
6B CH3_IN_G
7B CH2_IN_G
8B CH1_IN_G
9B R_MONI_OUT_G
10B R_MONI_OUT_H
11B CH4_OUT_G
12B CH3_OUT_G
13B CH2_OUT_G
14B CH1_OUT_G
15B AES34_IN
16B AES34_OUT
17B TRANSMIT_B_IN_OUT
18B TRANSMIT_B_OUT
19B HUE
20B SYS_SC_CORSE_2
21B SERIAL_CLK
22B RS232C_PIN3
23B Y_IN
24B VIDEO_IN
25B VIDEO_OUT1
26B Y_OUT
27B ISP_TDI
28B ISP_SEL3
29B ISP_SEL7
30B +12V
31B +6V
32B GND
SERIAL_CLK (5)
Y_IN (2)
VIDEO_IN (2)
VIDEO_OUT1 (2)
Y_OUT (2)
ISP_TDI (6)
ISP_SEL3 (6)
ISP_SEL7 (6)
AES34_IN (4)
AES34_OUT (4)
1C CUE_IN_C
2C CUE_OUT_C
3C TC_IN_C
4C GND
5C CH4_IN_C
6C CH3_IN_C
7C CH2_IN_C
8C CH1_IN_C
9C GND
10C L_MONI_OUT_C
11C CH4_OUT_C
12C CH3_OUT_C
13C CH2_OUT_C
14C CH1_OUT_C
15C GND
16C RECEIVE_A_IN_OUT
17C RECEIVE_A_OUT
18C VIDEO_GAIN
19C SYS_H_PHASE
20C RET_GND
21C STB_CLK16
22C RS232C_PIN6
23C PB_IN
24C GND
25C VIDEO_OUT2
26C PB_OUT
27C ISP_TMS
28C ISP_SEL4
29C ISP_SEL8
30C -12V
31C -6V
32C +3.2V
STB_CLK16 (5)
PB_IN (2)
VIDEO_OUT2 (2)
PB_OUT (2)
ISP_TMS (6)
ISP_SEL4 (6)
ISP_SEL8 (6)
-12V
-6V
1D CUE_IN_H
2D CUE_OUT_H
3D TC_IN_H
4D GND
5D CH4_IN_H
6D CH3_IN_H
7D CH2_IN_H
8D CH1_IN_H
9D L_MONI_OUT_G
10D L_MONI_OUT_H
11D CH4_OUT_H
12D CH3_OUT_H
13D CH2_OUT_H
14D CH1_OUT_H
15D GND
16D RECEIVE_B_IN_OUT
17D RECEIVE_B_OUT
18D SET_UP
19D SYS_SC_CORSE
20D P_SERIAL_IN
21D FR_RST_L
22D RS232C_PIN20
23D PR_IN
24D REF_IN
25D VIDEO_OUT3
26D PR_OUT
27D ISP_SEL1
28D ISP_SEL5
29D FAN_PULSE
30D -12V
31D -6V
32D +5V
P_SERIAL_IN (5)
FR_RST_L (5)
PR_IN (2)
REF_IN (2)
VIDEO_OUT3 (2)
PR_OUT (2)
ISP_SEL1 (6)
ISP_SEL5 (6)
P102 VJP3414A009
1
2 TRANSMIT_A_IN
3 RECEIVE_B_IN
4
5
6
7 TRANSMIT_B_IN
8 RECEIVE_A_IN
9
REMOTE IN/OUT
P103 VJP3414A009
1
2 RECEIVE_A_OUT
3 TRANSMIT_B_OUT
4
5
6
7 RECEIVE_B_OUT
8 TRANSMIT_A_OUT
9
REMOTE OUT
P104 VJP3414A025
1
2 TXD
3 RXD
4 RTS
5 CTS
6 DSR
7
8
9
10
11
12
13
14
15
16
17
18
19
20 DTR
21
22
23
24
25
RS232C
P105 VJP1243T
1 +12V
2 FAN_PULSE
3 GND
SYS_BUS[1-21]
P101 VJP3414A015
1
2 SET_UP
3 C_GAIN
4 GND
5 +9V
6 SYS_H_PHASE
7 SYS_SC_CORSE_2
8 -9V
9 HUE
10 VIDEO_GAIN
11 RET_GND
12
13
14 SYS_SC_PHASE
15 SYS_SC_CORSE_1
ENCODER REMOTE
IC100 NJM78L09UAT2
IC101 NJM79L09UAT2
MA716-TX D100
C100 0.1/UFV
C101 16V47
C102 0.1/UFV
C103 0.1/UFV
C104 16V47
C105 0.1/UFV
L100 VLF1151A132T
L101 VLF1151A132T
C106 0.1/UFV
C107 0.1/UFV
C108 16V47
C109 0.1/UFV
C110 0.1/UFV
C111 16V47
+5V
+3V
+12V
-12V
GND
A
B
C
D
E
F
G
H
I
J
1
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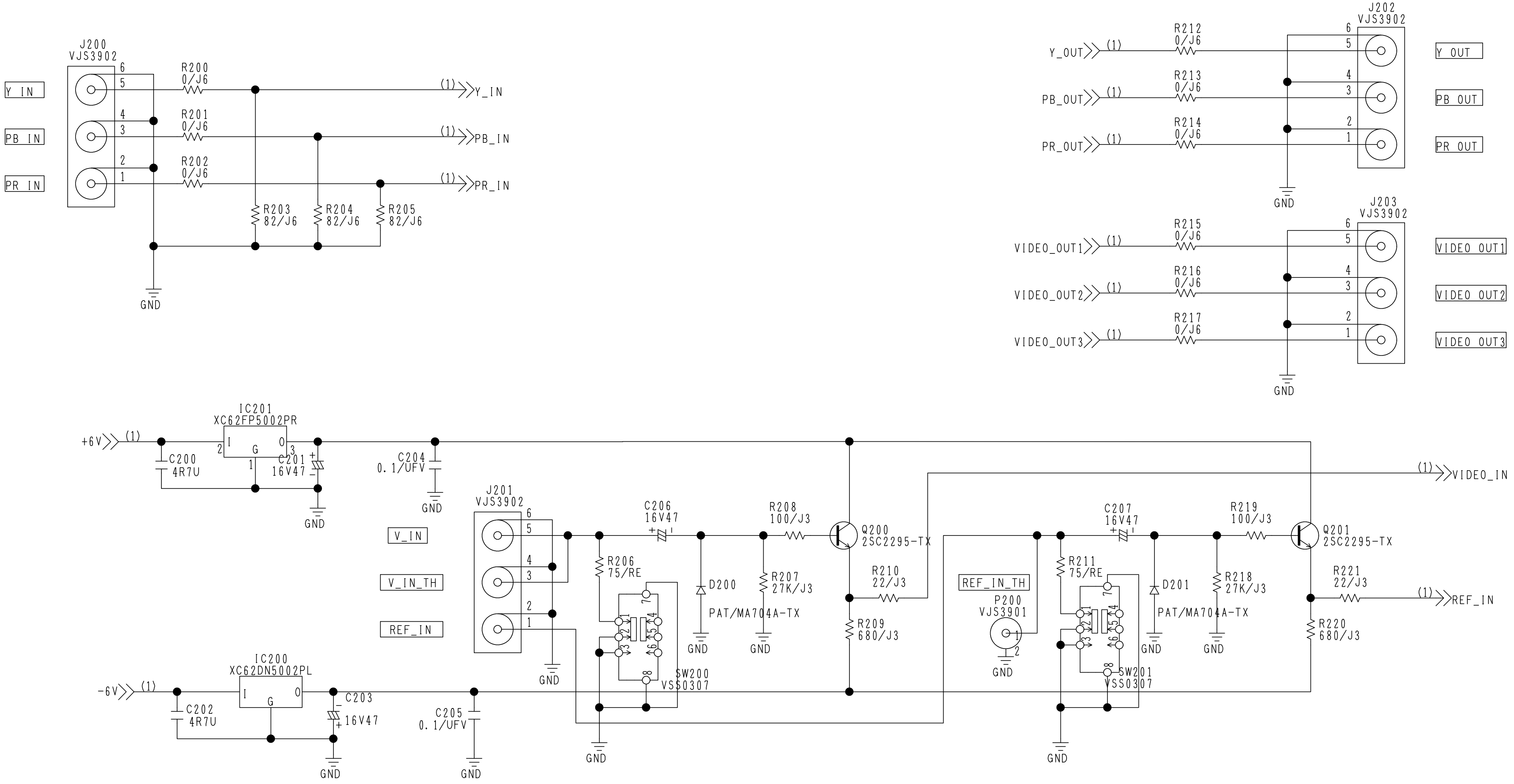
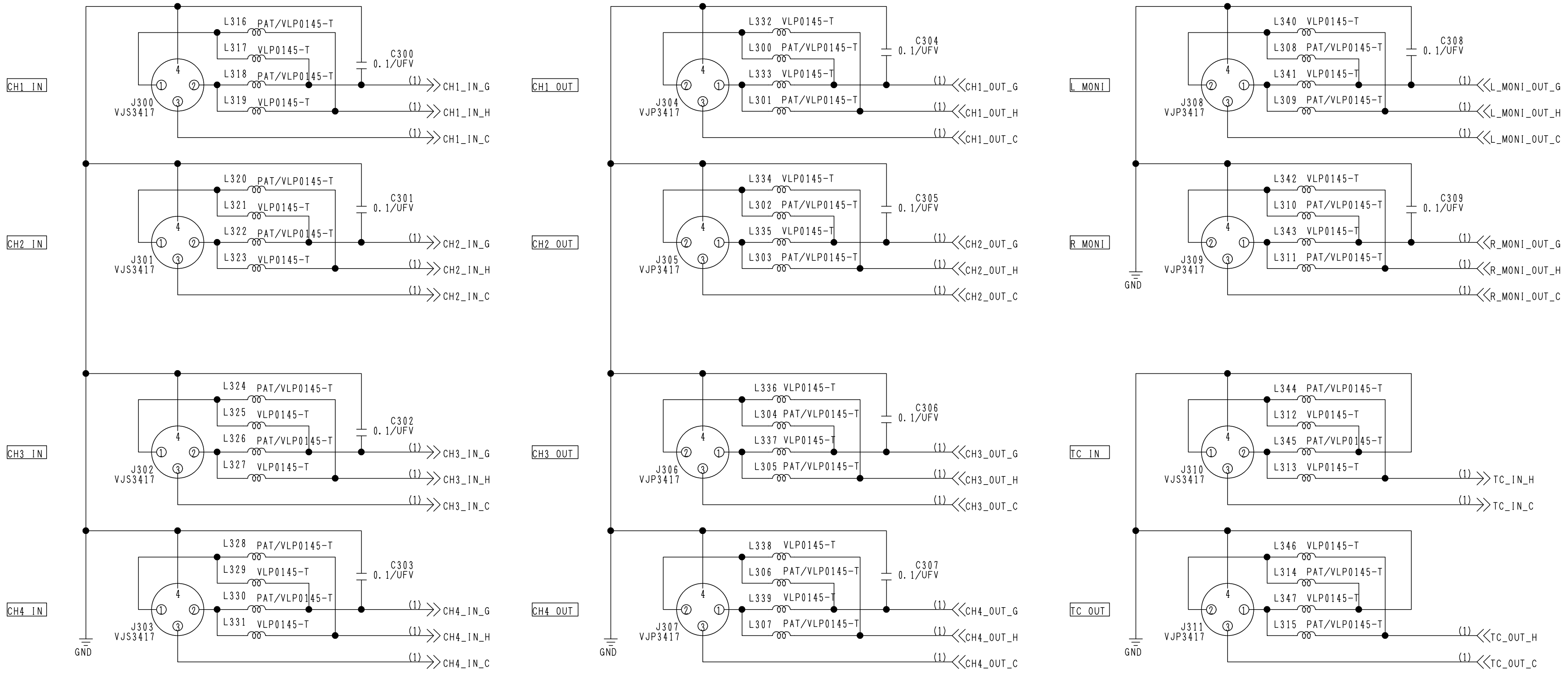
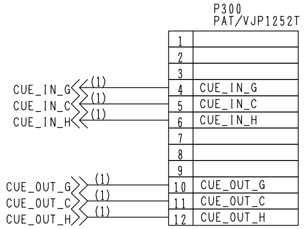
COMPONENT NAME	AV JACK	01/06

CIRCUIT BOARD NO.	DRAWING NO.
VEP80C40A	KR0R97 (1/6) (0)
	SCM140


J200
VJS3902
Y_IN
PB_IN
PR_IN
R200
0/J6
R201
0/J6
R202
0/J6
(1)
Y_IN
(1)
PB_IN
(1)
PR_IN
R203
82/J6
R204
82/J6
R205
82/J6
GND
J202
VJS3902
Y_OUT
PB_OUT
PR_OUT
R212
0/J6
R213
0/J6
R214
0/J6
Y_OUT
PB_OUT
PR_OUT
GND
J203
VJS3902
VIDEO_OUT1
VIDEO_OUT2
VIDEO_OUT3
R215
0/J6
R216
0/J6
R217
0/J6
VIDEO_OUT1
VIDEO_OUT2
VIDEO_OUT3
GND
+6V
(1)
IC201
XC62FP5002PR
I
G
O
C200
4R7U
C201
16V47
C204
0.1/UFV
GND
J201
VJS3902
V_IN
V_IN_TH
REF_IN
C206
16V47
R206
75/RE
D200
PAT/MA704A-TX
R207
27K/J3
R208
100/J3
Q200
2SC2295-TX
R210
22/J3
R209
680/J3
SW200
VSS0307
(1)
VIDEO_IN
REF_IN_TH
P200
VJS3901
C207
16V47
R211
75/RE
D201
PAT/MA704A-TX
R218
27K/J3
R219
100/J3
Q201
2SC2295-TX
R221
22/J3
(1)
REF_IN
R220
680/J3
SW201
VSS0307
-6V
(1)
IC200
XC62DN5002PL
C202
4R7U
C203
16V47
C205
0.1/UFV
GND

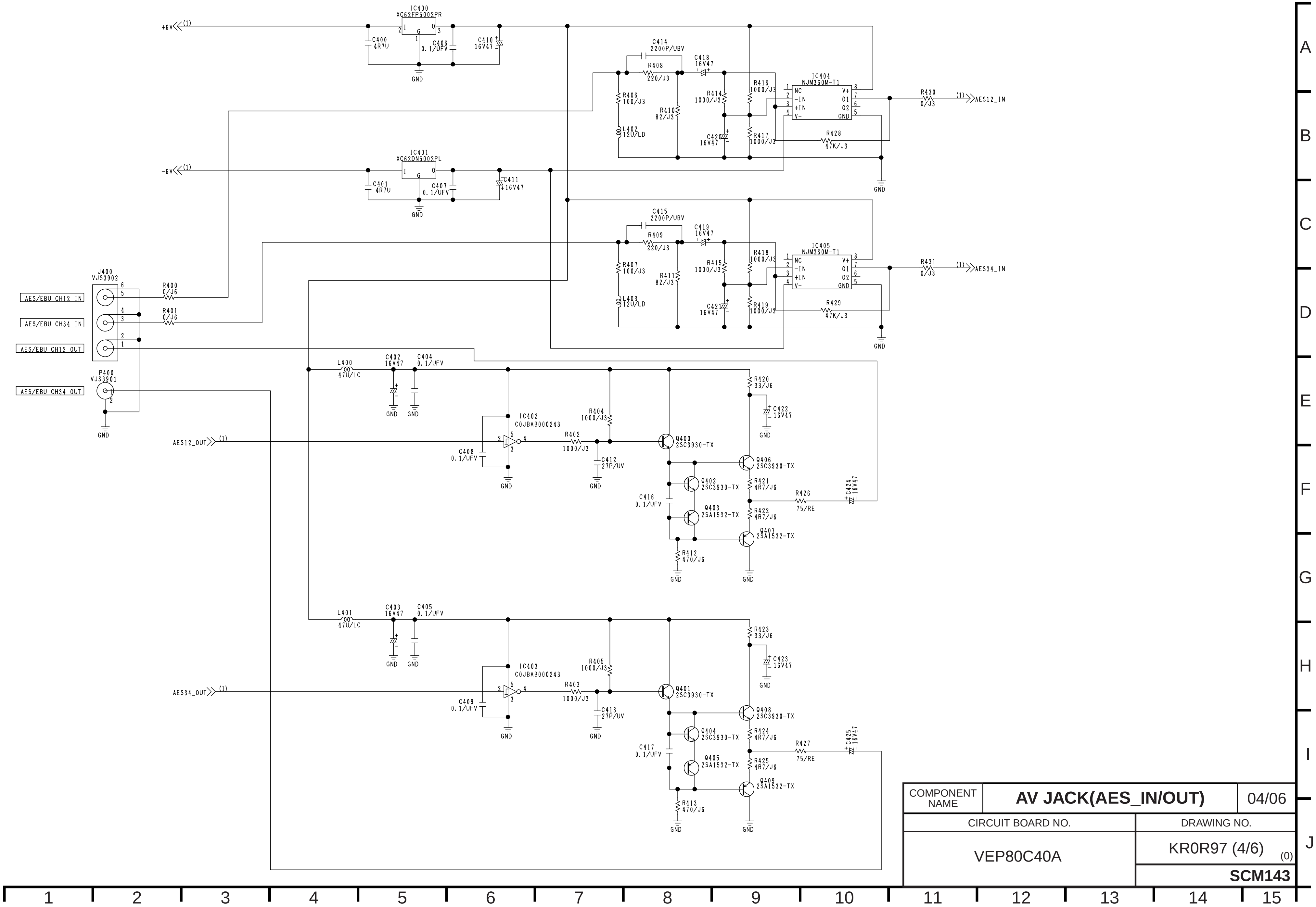
COMPONENT NAME	**AV JACK**	02/06
CIRCUIT BOARD NO.	DRAWING NO.	
VEP80C40A	KR0R97 (2/6) (0)	
	SCM141	


CH1 IN
J300
VJS3417
L316 PAT/VLP0145-T
L317 VLP0145-T
L318 PAT/VLP0145-T
L319 VLP0145-T
C300
0.1/UFV
(1) CH1_IN_G
(1) CH1_IN_H
(1) CH1_IN_C
CH2 IN
J301
VJS3417
L320 PAT/VLP0145-T
L321 VLP0145-T
L322 PAT/VLP0145-T
L323 VLP0145-T
C301
0.1/UFV
(1) CH2_IN_G
(1) CH2_IN_H
(1) CH2_IN_C
CH3 IN
J302
VJS3417
L324 PAT/VLP0145-T
L325 VLP0145-T
L326 PAT/VLP0145-T
L327 VLP0145-T
C302
0.1/UFV
(1) CH3_IN_G
(1) CH3_IN_H
(1) CH3_IN_C
CH4 IN
J303
VJS3417
L328 PAT/VLP0145-T
L329 VLP0145-T
L330 PAT/VLP0145-T
L331 VLP0145-T
C303
0.1/UFV
(1) CH4_IN_G
(1) CH4_IN_H
(1) CH4_IN_C
GND
CH1 OUT
J304
VJP3417
L332 VLP0145-T
L300 PAT/VLP0145-T
L333 VLP0145-T
L301 PAT/VLP0145-T
C304
0.1/UFV
(1) CH1_OUT_G
(1) CH1_OUT_H
(1) CH1_OUT_C
CH2 OUT
J305
VJP3417
L334 VLP0145-T
L302 PAT/VLP0145-T
L335 VLP0145-T
L303 PAT/VLP0145-T
C305
0.1/UFV
(1) CH2_OUT_G
(1) CH2_OUT_H
(1) CH2_OUT_C
CH3 OUT
J306
VJP3417
L336 VLP0145-T
L304 PAT/VLP0145-T
L337 VLP0145-T
L305 PAT/VLP0145-T
C306
0.1/UFV
(1) CH3_OUT_G
(1) CH3_OUT_H
(1) CH3_OUT_C
CH4 OUT
J307
VJP3417
L338 VLP0145-T
L306 PAT/VLP0145-T
L339 VLP0145-T
L307 PAT/VLP0145-T
C307
0.1/UFV
(1) CH4_OUT_G
(1) CH4_OUT_H
(1) CH4_OUT_C
GND
L MONI
J308
VJP3417
L340 VLP0145-T
L308 PAT/VLP0145-T
L341 VLP0145-T
L309 PAT/VLP0145-T
C308
0.1/UFV
(1) L_MONI_OUT_G
(1) L_MONI_OUT_H
(1) L_MONI_OUT_C
R MONI
J309
VJP3417
L342 VLP0145-T
L310 PAT/VLP0145-T
L343 VLP0145-T
L311 PAT/VLP0145-T
C309
0.1/UFV
(1) R_MONI_OUT_G
(1) R_MONI_OUT_H
(1) R_MONI_OUT_C
GND
TC IN
J310
VJS3417
L344 PAT/VLP0145-T
L312 VLP0145-T
L345 PAT/VLP0145-T
L313 VLP0145-T
(1) TC_IN_H
(1) TC_IN_C
TC OUT
J311
VJP3417
L346 VLP0145-T
L314 PAT/VLP0145-T
L347 VLP0145-T
L315 PAT/VLP0145-T
(1) TC_OUT_H
(1) TC_OUT_C
GND
1
2
3
4


P300
PAT/VJP1252T
1
2
3
4 CUE_IN_G
5 CUE_IN_C
6 CUE_IN_H
7
8
9
10 CUE_OUT_G
11 CUE_OUT_C
12 CUE_OUT_H
CUE_IN_G (1)
CUE_IN_C (1)
CUE_IN_H (1)
CUE_OUT_G (1)
CUE_OUT_C (1)
CUE_OUT_H (1)

INPUT		J300, J301, J302, J303		J310	L316, L318, L320, L322 L324, L326, L328, L330 L344, L345	L312, L313 L317, L319, L321, L323 L325, L327, L329, L331
	P/E/MC	VJS3417		VJS3417	–	VLP0145
	T	VJP3417		VJP3417	VLP0145	–
OUTPUT		J304, J305, J306, J307	J308, J309	J311	L332, L333, L334, L335 L336, L337, L338, L339 L340, L341, L342, L343 L346, L347	L300, L301, L302, L303 L304, L305, L306, L307 L308, L309, L310, L311 L314, L315
	P/E/MC	VJP3417	VJP3417	VJP3417	VLP0145	–
	T	VJS3417	VJS3417	VJS3417	–	VLP0145

COMPONENT NAME	**AV JACK(AUDIO ANALOG I/O)**	03/06
CIRCUIT BOARD NO.	DRAWING NO.	
VEP80C40A	KR0R97 (3/6) (0)	
	SCM142	


+6V (1)
IC400
XC62FP5002PR
I G O
2 1 3
C400
4R7U
C406
0.1/UFV
C410
16V47
GND
-6V (1)
IC401
XC62DN5002PL
C401
4R7U
C407
0.1/UFV
C411
16V47
GND
C414
2200P/UBV
R408
220/J3
C418
16V47
R406
100/J3
R410
82/J3
R414
1000/J3
R416
1000/J3
L402
12U/LD
C420
16V47
R417
1000/J3
IC404
NJM360M-T1
NC
-IN
+IN
V-
V+
O1
O2
GND
R428
47K/J3
R430
0/J3
(1) AES12_IN
GND
C415
2200P/UBV
R409
220/J3
C419
16V47
R407
100/J3
R411
82/J3
R415
1000/J3
R418
1000/J3
L403
12U/LD
C421
16V47
R419
1000/J3
IC405
NJM360M-T1
R429
47K/J3
R431
0/J3
(1) AES34_IN
GND
J400
VJS3902
AES/EBU CH12 IN
AES/EBU CH34 IN
AES/EBU CH12 OUT
R400
0/J6
R401
0/J6
P400
VJS3901
AES/EBU CH34 OUT
GND
L400
47U/LC
C402
16V47
C404
0.1/UFV
GND
AES12_OUT (1)
IC402
C0JBAB000243
C408
0.1/UFV
R402
1000/J3
R404
1000/J3
C412
27P/UV
Q400
2SC3930-TX
Q402
2SC3930-TX
Q403
2SA1532-TX
C416
0.1/UFV
R412
470/J6
R420
33/J6
C422
16V47
Q406
2SC3930-TX
R421
4R7/J6
R426
75/RE
C424
16V47
R422
4R7/J6
Q407
2SA1532-TX
L401
47U/LC
C403
16V47
C405
0.1/UFV
AES34_OUT (1)
IC403
C0JBAB000243
C409
0.1/UFV
R403
1000/J3
R405
1000/J3
C413
27P/UV
Q401
2SC3930-TX
Q404
2SC3930-TX
Q405
2SA1532-TX
C417
0.1/UFV
R413
470/J6
R423
33/J6
C423
16V47
Q408
2SC3930-TX
R424
4R7/J6
R427
75/RE
C425
16V47
R425
4R7/J6
Q409
2SA1532-TX
A
B
C
D
E
F
G
H
I
J
1
2
3
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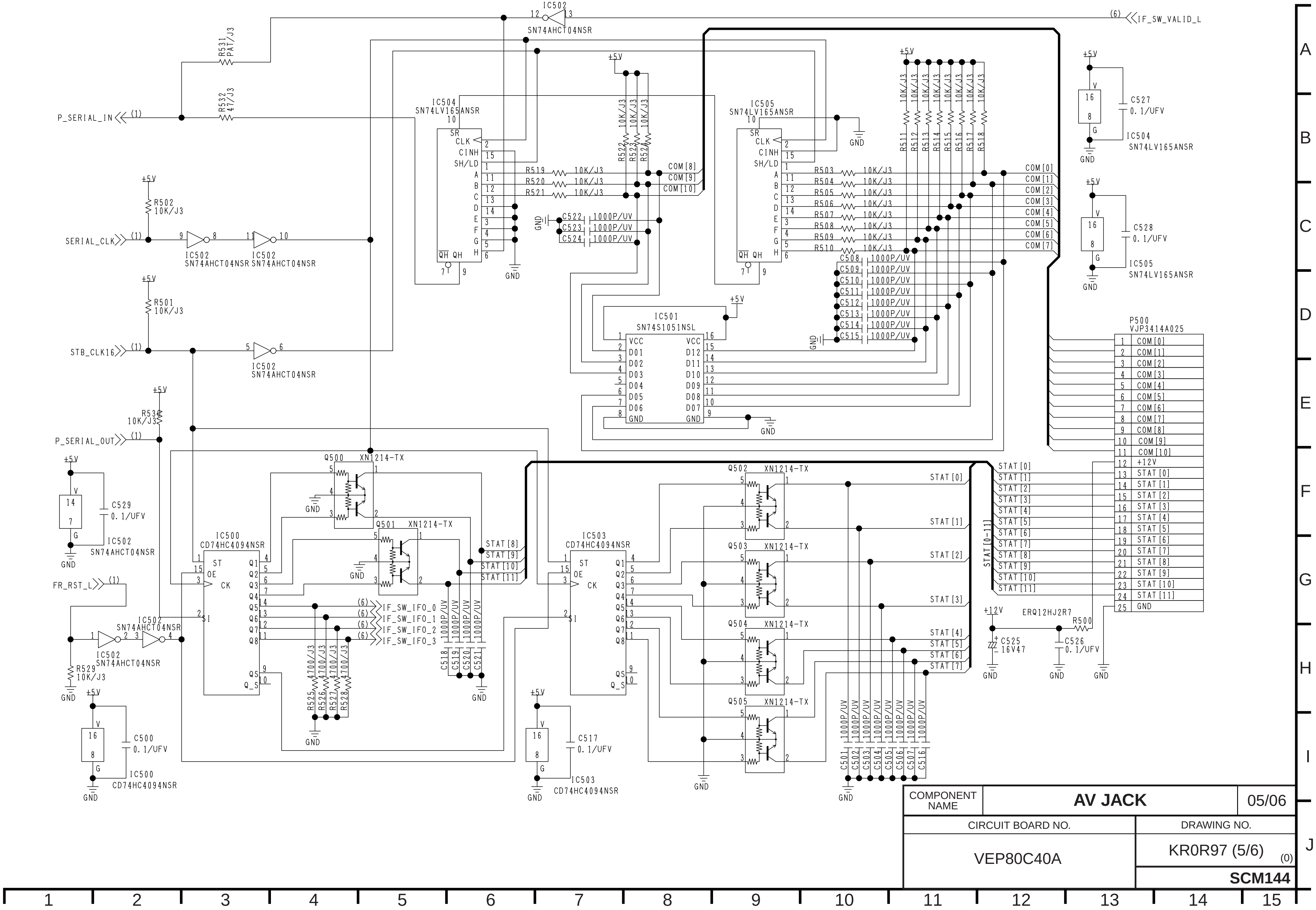
COMPONENT NAME	**AV JACK(AES_IN/OUT)**	04/06
CIRCUIT BOARD NO.	DRAWING NO.	
VEP80C40A	KR0R97 (4/6) (0)	
	SCM143	


P_SERIAL_IN
SERIAL_CLK
STB_CLK16
P_SERIAL_OUT
FR_RST_L
IF_SW_VALID_L
IF_SW_IF0_0
IF_SW_IF0_1
IF_SW_IF0_2
IF_SW_IF0_3
R531 PAT/J3
R532 47/J3
R502 10K/J3
R501 10K/J3
R530 10K/J3
R529 10K/J3
IC502 SN74AHCT04NSR
IC504 SN74LV165ANSR
IC505 SN74LV165ANSR
IC501 SN74S1051NSL
IC500 CD74HC4094NSR
IC503 CD74HC4094NSR
R519 10K/J3
R520 10K/J3
R521 10K/J3
R522 10K/J3
R523 10K/J3
R524 10K/J3
C522 1000P/UV
C523 1000P/UV
C524 1000P/UV
R503 10K/J3
R504 10K/J3
R505 10K/J3
R506 10K/J3
R507 10K/J3
R508 10K/J3
R509 10K/J3
R510 10K/J3
R511 10K/J3
R512 10K/J3
R513 10K/J3
R514 10K/J3
R515 10K/J3
R516 10K/J3
R517 10K/J3
R518 10K/J3
C508 1000P/UV
C509 1000P/UV
C510 1000P/UV
C511 1000P/UV
C512 1000P/UV
C513 1000P/UV
C514 1000P/UV
C515 1000P/UV
COM[0]
COM[1]
COM[2]
COM[3]
COM[4]
COM[5]
COM[6]
COM[7]
COM[8]
COM[9]
COM[10]
C527 0.1/UFV
C528 0.1/UFV
C529 0.1/UFV
C500 0.1/UFV
C517 0.1/UFV
P500 VJP3414A025
1 COM[0]
2 COM[1]
3 COM[2]
4 COM[3]
5 COM[4]
6 COM[5]
7 COM[6]
8 COM[7]
9 COM[8]
10 COM[9]
11 COM[10]
12 +12V
13 STAT[0]
14 STAT[1]
15 STAT[2]
16 STAT[3]
17 STAT[4]
18 STAT[5]
19 STAT[6]
20 STAT[7]
21 STAT[8]
22 STAT[9]
23 STAT[10]
24 STAT[11]
25 GND
Q500 XN1214-TX
Q501 XN1214-TX
Q502 XN1214-TX
Q503 XN1214-TX
Q504 XN1214-TX
Q505 XN1214-TX
STAT[0-11]
STAT[8]
STAT[9]
STAT[10]
STAT[11]
R525 4700/J3
R526 4700/J3
R527 4700/J3
R528 4700/J3
C518 1000P/UV
C519 1000P/UV
C520 1000P/UV
C521 1000P/UV
C501 1000P/UV
C502 1000P/UV
C503 1000P/UV
C504 1000P/UV
C505 1000P/UV
C506 1000P/UV
C507 1000P/UV
C516 1000P/UV
ERQ12HJ2R7
R500
C525 16V47
C526 0.1/UFV
+5V
+12V
GND
A
B
C
D
E
F
G
H
I
J
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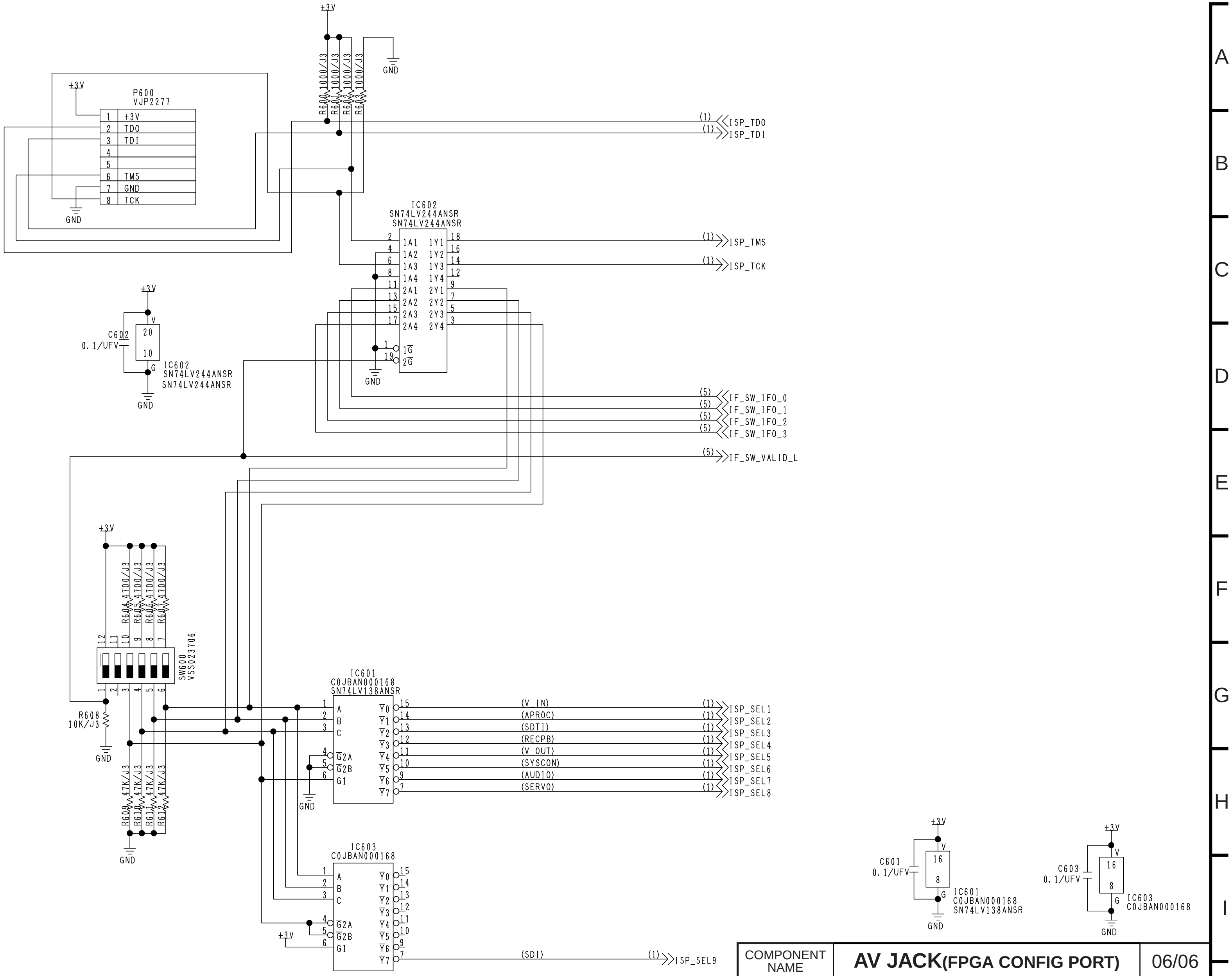
COMPONENT NAME	AV JACK	05/06

CIRCUIT BOARD NO.	DRAWING NO.
VEP80C40A	KR0R97 (5/6) (0)
	SCM144

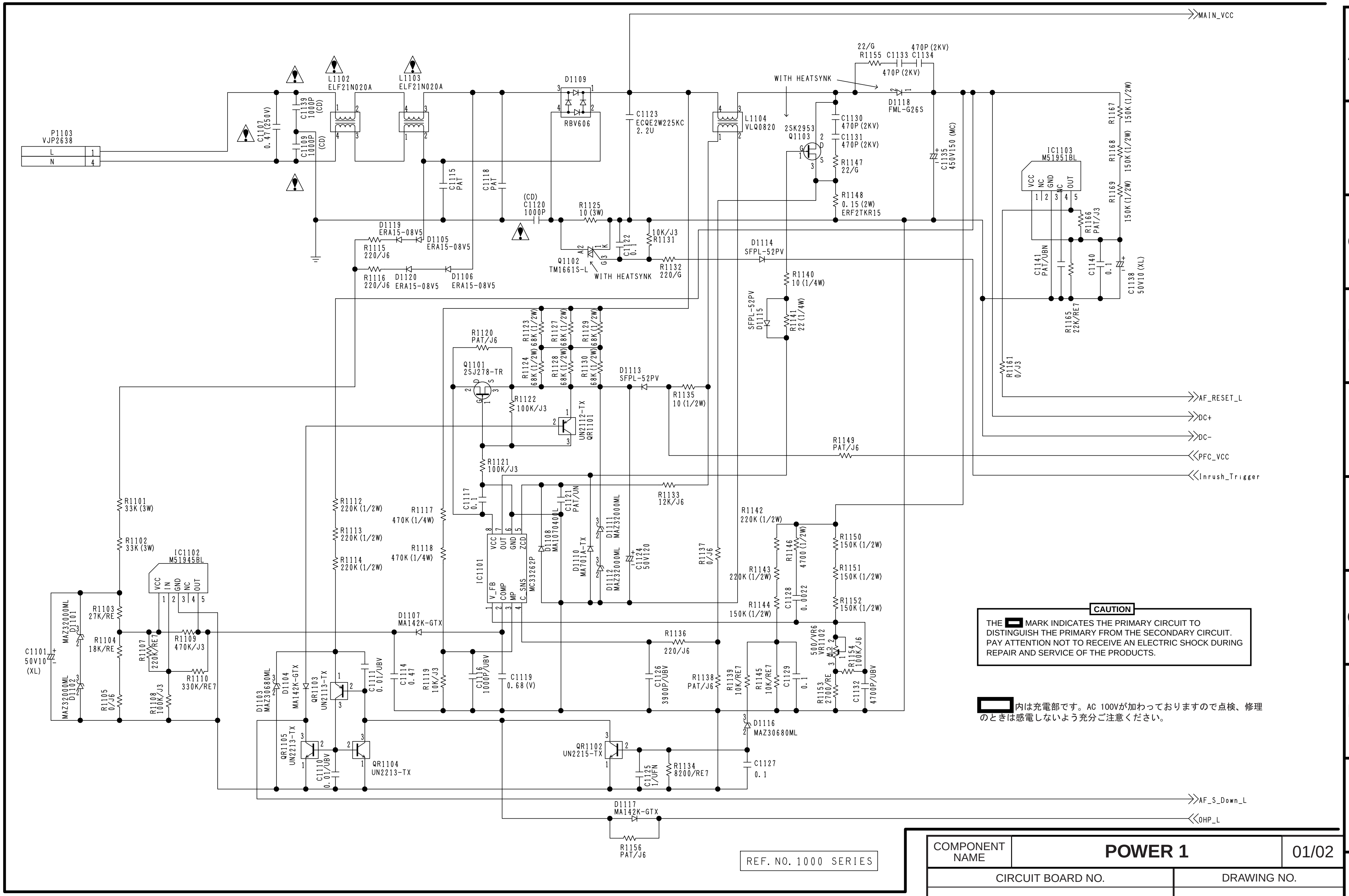


+3V
GND
P600
VJP2277
1 +3V
2 TDO
3 TDI
4
5
6 TMS
7 GND
8 TCK
R600 1000/J3
R601 1000/J3
R602 1000/J3
R603 1000/J3
(1) ISP_TDO
(1) ISP_TDI
IC602
SN74LV244ANSR
1A1 1A2 1A3 1A4 2A1 2A2 2A3 2A4
1Y1 1Y2 1Y3 1Y4 2Y1 2Y2 2Y3 2Y4
1G 2G
(1) ISP_TMS
(1) ISP_TCK
C602
0.1/UFV
20
10
(5) IF_SW_IFO_0
(5) IF_SW_IFO_1
(5) IF_SW_IFO_2
(5) IF_SW_IFO_3
(5) IF_SW_VALID_L
R604 4700/J3
R605 4700/J3
R606 4700/J3
R607 4700/J3
SW600
VSS023706
R608
10K/J3
R609 47K/J3
R610 47K/J3
R611 47K/J3
R612 47K/J3
IC601
C0JBAN000168
SN74LV138ANSR
A B C G2A G2B G1
Y0 Y1 Y2 Y3 Y4 Y5 Y6 Y7
(V_IN) (1) ISP_SEL1
(APROC) (1) ISP_SEL2
(SDTI) (1) ISP_SEL3
(RECPB) (1) ISP_SEL4
(V_OUT) (1) ISP_SEL5
(SYSCON) (1) ISP_SEL6
(AUDIO) (1) ISP_SEL7
(SERVO) (1) ISP_SEL8
IC603
C0JBAN000168
(SDI) (1) ISP_SEL9
C601
0.1/UFV
16
8
IC601
C0JBAN000168
SN74LV138ANSR
C603
0.1/UFV
IC603
C0JBAN000168
A B C D E F G H I J
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

	SW1	SW2	SW3	SW4	SW5	SW6
(Menu)	OFF	–	OFF	OFF	OFF	OFF
(F2A) V_IN	ON	–	ON	OFF	OFF	OFF
(F2B) APROC	ON	–	ON	OFF	OFF	ON
(F3B) SDTI/1394	ON	–	ON	OFF	ON	OFF
(F4) RECPB	ON	–	ON	OFF	ON	ON
(F5) V_OUT	ON	–	ON	ON	OFF	OFF
(F6) SYSCON	ON	–	ON	ON	OFF	ON
(F1) AUDIO	ON	–	ON	ON	ON	OFF
(F7) SERVO	ON	–	ON	ON	ON	ON
(F3A) SDI	ON	–	OFF	ON	ON	ON

Notice: "–" means Don't Care

COMPONENT NAME	AV JACK(FPGA CONFIG PORT)	06/06
CIRCUIT BOARD NO.	DRAWING NO.	
VEP80C40A	KR0R97 (6/6) (0)	
	SCM145	


MAIN_VCC
P1103 VJP2638
L
N
C1107 0.47(250V)
C1139 1000P (CD)
C1109 1000P (CD)
L1102 ELF21N020A
L1103 ELF21N020A
D1109 RBV606
C1123 ECQE2W225KC 2.2U
L1104 VLQ0820
2SK2953 Q1103
C1130 470P(2KV)
C1131 470P(2KV)
R1147 22/G
R1148 0.15(2W) ERF2TKR15
22/G R1155 C1133 C1134 470P(2KV)
470P(2KV)
WITH HEATSYNK
D1118 FML-G26S
C1135 450V150 (MC)
R1167 150K(1/2W)
R1168 150K(1/2W)
R1169 150K(1/2W)
IC1103 M51951BL
VCC NC GND NC OUT
R1166 PAT/J3
C1141 PAT/UBN
C1140 0.1
C1138 50V10(XL)
R1165 22K/RE7
C1115 PAT
C1118 PAT
(CD) C1120 1000P
R1125 10(3W)
C1122 0.1
10K/J3 R1131
R1132 220/G
Q1102 TM1661S-L
WITH HEATSYNK
D1119 ERA15-08V5
D1105 ERA15-08V5
R1115 220/J6
R1116 220/J6
D1120 ERA15-08V5
D1106 ERA15-08V5
D1114 SFPL-52PV
R1140 10(1/4W)
SFPL-52PV D1115
R1141 22(1/4W)
R1161 0/J3
R1120 PAT/J6
Q1101 2SJ278-TR
R1123 68K(1/2W)
R1127 68K(1/2W)
R1129 68K(1/2W)
R1124 68K(1/2W)
R1128 68K(1/2W)
R1130 68K(1/2W)
D1113 SFPL-52PV
R1135 10(1/2W)
R1122 100K/J3
UN2112-TX QR1101
AF_RESET_L
DC+
DC-
PFC_VCC
Inrush_Trigger
R1149 PAT/J6
R1121 100K/J3
C1117 0.1
C1121 PAT/UN
R1133 12K/J6
D1108 MA1070400L
D1111 MAZ32000ML
D1110 MA701A-TX
D1112 MAZ32000ML
C1124 50V120
IC1101 MC33262P
VCC OUT GND ZCD
V_FB COMP MP C_SNS
R1137 0/J6
R1142 220K(1/2W)
R1146 4700(1/2W)
R1143 220K(1/2W)
R1144 150K(1/2W)
C1128 0.0022
R1150 150K(1/2W)
R1151 150K(1/2W)
R1152 150K(1/2W)
R1101 33K(3W)
R1102 33K(3W)
IC1102 M51945BL
VCC IN GND NC OUT
R1112 220K(1/2W)
R1113 220K(1/2W)
R1114 220K(1/2W)
R1117 470K(1/4W)
R1118 470K(1/4W)
D1107 MA142K-GTX
R1103 27K/RE
R1104 18K/RE
R1107 220K/RE7
R1109 470K/J3
R1110 330K/RE7
R1105 0/J6
R1108 100K/J3
D1101 MAZ32000ML
D1102 MAZ32000ML
C1101 50V10 (XL)
D1103 MAZ30680ML
D1104 MA142K-GTX
QR1103 UN2113-TX
C1111 0.01/UBV
C1114 0.47
R1119 10K/J3
C1116 1000P/UBV
C1119 0.68(V)
R1136 220/J6
C1126 3900P/UBV
R1138 PAT/J6
R1139 10K/RE7
R1145 10K/RE7
C1129 0.1
500/VR6 VR1102
R1154 100K/J6
R1153 2700/RE
C1132 4700P/UBV
D1116 MAZ30680ML
QR1105 UN2213-TX
C1110 0.01/UBV
QR1104 UN2213-TX
QR1102 UN2215-TX
C1125 1/UFN
R1134 8200/RE7
C1127 0.1
AF_S_Down_L
D1117 MA142K-GTX
OHP_L
R1156 PAT/J6
A
B
C
D
E
F
G
H
I
J
1
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CAUTION

THE ▭ MARK INDICATES THE PRIMARY CIRCUIT TO DISTINGUISH THE PRIMARY FROM THE SECONDARY CIRCUIT. PAY ATTENTION NOT TO RECEIVE AN ELECTRIC SHOCK DURING REPAIR AND SERVICE OF THE PRODUCTS.

▭内は充電部です。AC 100Vが加わっておりますので点検、修理のときは感電しないよう充分ご注意ください。

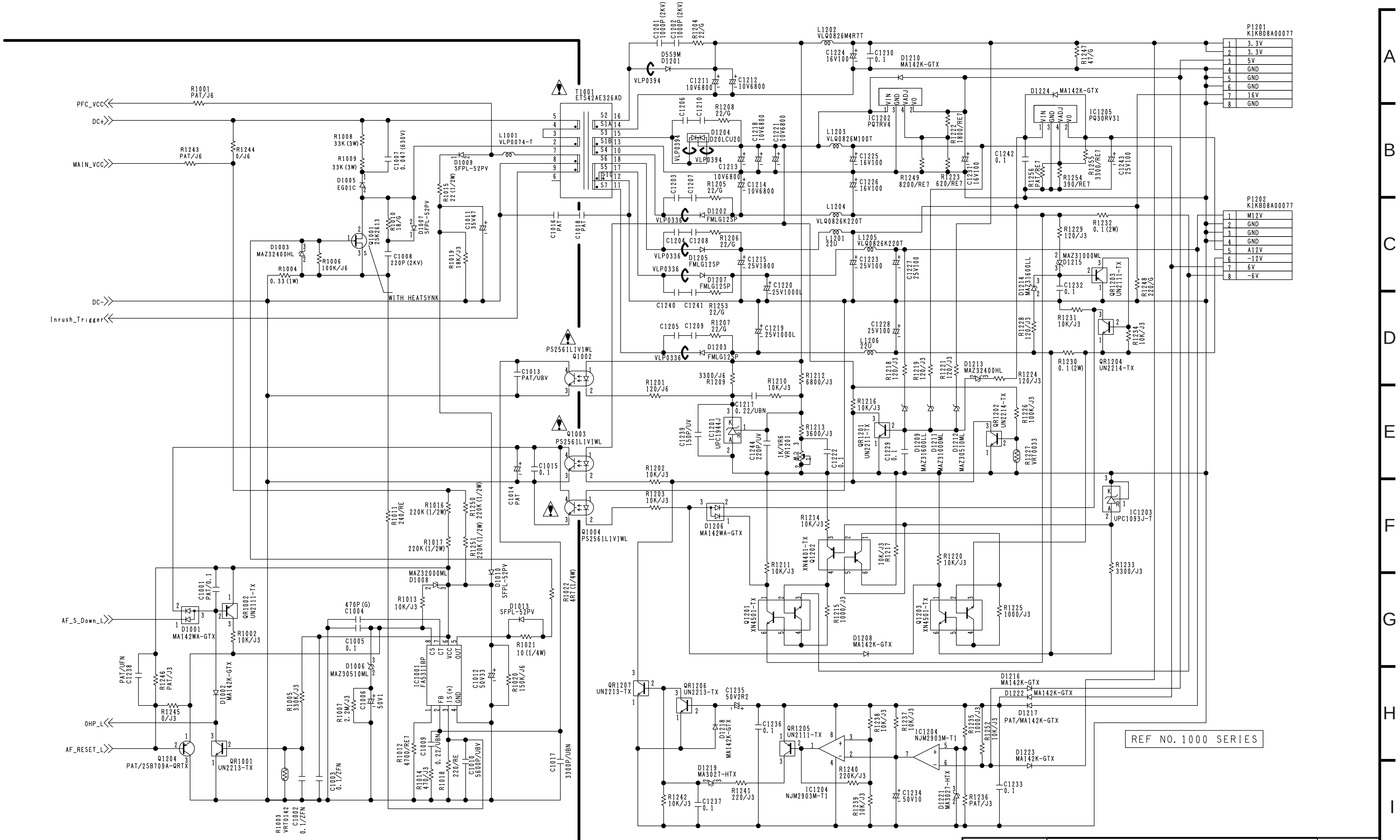
REF. NO. 1000 SERIES

COMPONENT NAME	POWER 1	01/02
CIRCUIT BOARD NO.	DRAWING NO.	
VEP81221C	KR1G29 (1/2) (0)	
	SCM146	

IMPORTANT SAFETY NOTICE:
COMPONENTS IDENTIFIED WITH THE MARK ⚠ HAVE THE SPECIAL CHARACTERISTICS FOR SAFETY.
WHEN REPLACING ANY OF THESE COMPONENTS, USE ONLY THE SAME TYPE.

⚠ 警 告

⚠ 印の部品は安全上重要な部品です。
交換するときは、安全上および性能維持のため
必ず指定の部品をご使用ください。


A
B
C
D
E
F
G
H
I
J
T1001
ETS42AE326AD
PFC_VCC
DC+
MAIN_VCC
DC-
Inrush_Trigger
AF_S_Down_L
OHP_L
AF_RESET_L
R1001 PAT/J6
R1243 PAT/J6
R1244 0/J6
R1008 33K(3W)
R1009 33K(3W)
D1005 EG01C
C1007 0.047(630V)
L1001 VLP0074-T
D1009 SFPL-52PV
Q1001 2SK2613
R1010 18/G
D1007 SFPL-52PV
R1015 22(1/2W)
C1011 35V47
D1003 MAZ32400HL
R1006 100K/J6
R1004 0.33(1W)
C1008 220P(2KV)
R1019 18K/J3
WITH HEATSYNK
C1016 PAT
C1018 PAT
PS2561L1V1WL
Q1002
Q1003
Q1004
C1013 PAT/UBV
C1015 0.1
C1014 PAT
R1011 240/RE
R1016 220K(1/2W)
R1250 220K(1/2W)
R1017 220K(1/2W)
R1251 220K(1/2W)
MAZ32000ML
D1008
D1010 SFPL-52PV
D1013 SFPL-52PV
R1022 4R7(1/4W)
R1013 10K/J3
470P(G)
C1004
C1005 0.1
IC1001 FA5311BP
D1006 MAZ30510ML
C1006 50V1
R1007 2.2M/J3
R1005 330K/J3
C1012 50V33
R1020 150K/J6
R1021 10(1/4W)
R1012 4700/RE7
C1009 0.22/UBN
R1014 470/J3
R1018 220/RE
C1010 5600P/UBV
C1017 3300P/UBN
C1003 0.1/ZFN
R1003 VRT0142
C1002 0.1/ZFN
C1001 PAT/0.1
QR1002 UN2111-TX
D1001 MA142WA-GTX
R1002 10K/J3
C1238 PAT/UFN
R1246 PAT/J3
R1245 0/J3
D1002 MA142K-GTX
Q1204 PAT/2SB709A-QRTX
QR1001 UN2213-TX
C1201 100P(2KV)
C1202 100P(2KV)
R1204 22/G
D559M D1201
VLP0394
C1211 10V6800
C1212 10V6800
C1206
C1210
R1208 22/G
D1204 D20LCU20
C1213
C1218 10V6800
C1221 10V6800
C1203
C1207
R1205 22/G
C1214 10V6800
D1202 FMLG12SP
VLP0336
C1204
C1208
R1206 22/G
D1205 FMLG12SP
C1215 25V1800
D1207 FMLG12SP
C1220 25V1000L
C1240
C1241
R1253 22/G
C1205
C1209
R1207 22/G
D1203 FMLG12SP
C1219 25V1000L
L1202 VLQ0826M4R7T
C1224 16V100
C1230 0.1
D1210 MA142K-GTX
R1247 47/G
IC1202 PQ7RV4
R1222 1800/RE7
L1203 VLQ0826M100T
C1225 16V100
C1226 16V100
R1249 8200/RE7
R1223 620/RE7
C1231 16V100
D1224 MA142K-GTX
IC1205 PQ30RV31
C1242 0.1
R1256 PAT/RE7
R1254 390/RE7
R1255 3300/RE7
C1243 25V100
L1204 VLQ0826K220T
L1201 220
L1205 VLQ0826K220T
C1223 25V100
C1227 25V100
C1228 25V100
L1206 220
R1229 120/J3
R1232 0.1(2W)
MAZ31000ML D1215
QR1203 UN2111-TX
D1214 MAZ31600LL
C1232 0.1
R1248 220/G
R1231 10K/J3
R1228 120/J3
R1230 0.1(2W)
R1234 10K/J3
QR1204 UN2214-TX
P1201 K1KB08A00077
1 3.3V
2 3.3V
3 5V
4 GND
5 GND
6 GND
7 16V
8 GND
P1202 K1KB08A00077
1 M12V
2 GND
3 GND
4 GND
5 A12V
6 -12V
7 6V
8 -6V
3300/J6 R1209
R1210 10K/J3
R1212 6800/J3
R1201 120/J6
C1217 0.22/UBN
IC1201 UPC1944J
C1239 150P/UV
C1244 220P/UV
1K/VR6 VR1201
R1213 3600/J3
C1222 0.1
R1202 10K/J3
R1203 10K/J3
D1206 MA142WA-GTX
R1218 120/J3
R1219 120/J3
R1221 120/J3
D1213 MAZ32400HL
R1224 120/J3
R1216 10K/J3
QR1201 UN2211-TX
C1229 0.1
D1209 MAZ31600LL
D1211 MAZ31000ML
D1212 MAZ30510ML
QR1202 UN2214-TX
R1226 100K/J3
R1227 VRT0033
IC1203 UPC1093J-T
R1214 10K/J3
XN4401-TX Q1202
R1217 10K/J3
R1211 10K/J3
R1220 10K/J3
R1233 3300/J3
Q1201 XN4501-TX
R1215 1000/J3
Q1203 XN4501-TX
R1225 1000/J3
D1208 MA142K-GTX
QR1207 UN2213-TX
QR1206 UN2213-TX
C1235 50V2R2
D1218 MA142K-GTX
C1236 0.1
QR1205 UN2111-TX
R1238 10K/J3
R1237 10K/J3
IC1204 NJM2903M-T1
D1216 MA142K-GTX
D1222 MA142K-GTX
D1217 PAT/MA142K-GTX
R1235 1000/J3
R1252 10K/J3
D1223 MA142K-GTX
D1219 MA3027-HTX
R1241 220/J3
R1240 220K/J3
R1242 10K/J3
C1237 0.1
R1239 10K/J3
C1234 50V10
D1221 MA3027-HTX
R1236 PAT/J3
C1233 0.1
REF NO.1000 SERIES
1
2
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14
15

IMPORTANT SAFETY NOTICE:
COMPONENTS IDENTIFIED WITH THE MARK ⚠ HAVE THE SPECIAL CHARACTERISTICS FOR SAFETY.
WHEN REPLACING ANY OF THESE COMPONENTS, USE ONLY THE SAME TYPE.

⚠ 警 告

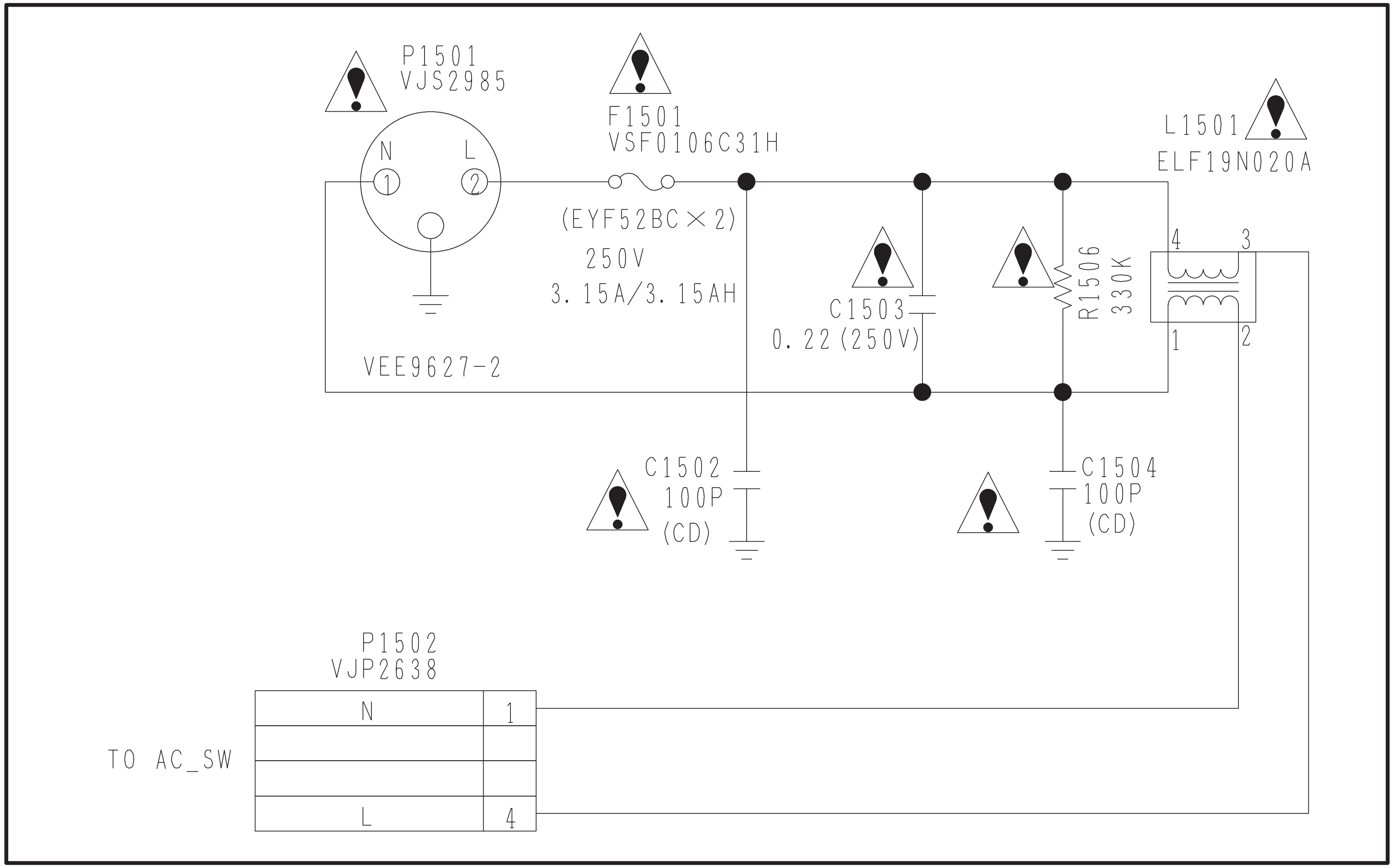
⚠ 印の部品は安全上重要な部品です。
交換するときは、安全上および性能維持のため
必ず指定の部品をご使用ください。

CAUTION

THE ▭ MARK INDICATES THE PRIMARY CIRCUIT TO DISTINGUISH THE PRIMARY FROM THE SECONDARY CIRCUIT. PAY ATTENTION NOT TO RECEIVE AN ELECTRIC SHOCK DURING REPAIR AND SERVICE OF THE PRODUCTS.

▭内は充電部です。AC 100Vが加わっておりますので点検、修理のときは感電しないよう充分ご注意ください。

COMPONENT NAME	**POWER 1**	02/02
CIRCUIT BOARD NO.	DRAWING NO.	
VEP81221C	KR1G29 (2/2) (0)	
	SCM147	


P1501
VJS2985
N
L
①
②
VEE9627-2
F1501
VSF0106C31H
(EYF52BC×2)
250V
3.15A/3.15AH
C1503
0.22(250V)
R1506
330K
L1501
ELF19N020A
4
3
1
2
C1502
100P
(CD)
C1504
100P
(CD)
P1502
VJP2638
TO AC_SW
N
1
L
4

⚠ 警 告

⚠ 印の部品は安全上重要な部品です。
交換するときは、安全上および性能維持のため
必ず指定の部品をご使用ください。

▭ 内は充電部です。AC 100Vが加わっておりますので点検、修理のときは感電しないよう充分ご注意ください。

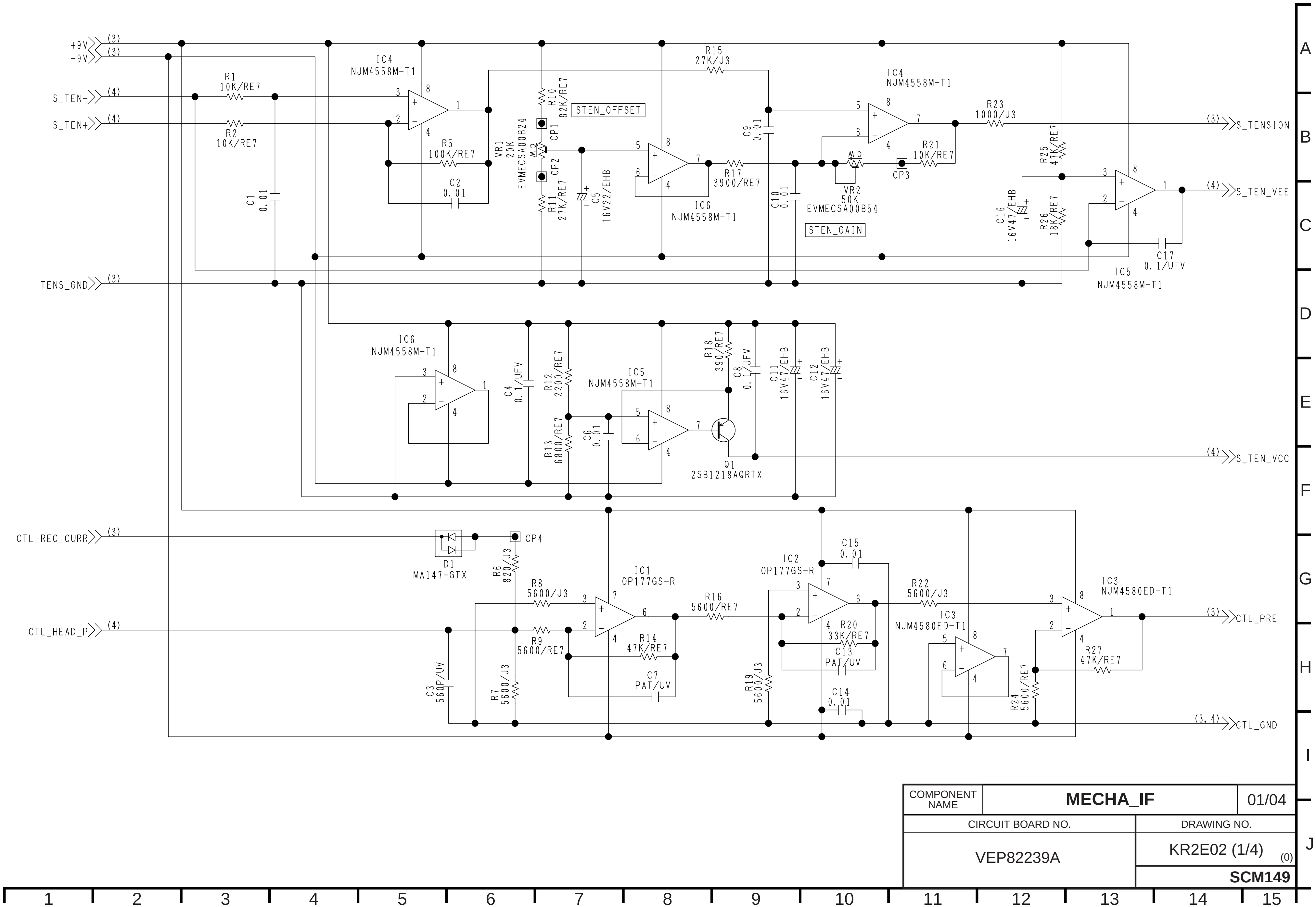
CAUTION

THE ▭ MARK INDICATES THE PRIMARY CIRCUIT TO DISTINGUISH THE PRIMARY FROM THE SECONDARY CIRCUIT. PAY ATTENTION NOT TO RECEIVE AN ELECTRIC SHOCK DURING REPAIR AND SERVICE OF THE PRODUCTS.

IMPORTANT SAFETY NOTICE:
COMPONENTS IDENTIFIED WITH THE MARK ⚠ HAVE THE SPECIAL CHARACTERISTICS FOR SAFETY.
WHEN REPLACING ANY OF THESE COMPONENTS, USE ONLY THE SAME TYPE.

REF. NO. 1500 SERIES

COMPONENT NAME	POWER 2	01/01
CIRCUIT BOARD NO.	DRAWING NO.	
VEP81222A	KR1E86 (1/1) (0)	
	SCM148	


+9V (3)
-9V (3)
S_TEN- (4)
S_TEN+ (4)
TENS_GND (3)
CTL_REC_CURR (3)
CTL_HEAD_P (4)
(3) S_TENSION
(4) S_TEN_VEE
(4) S_TEN_VCC
(3) CTL_PRE
(3, 4) CTL_GND
R1 10K/RE7
R2 10K/RE7
C1 0.01
IC4 NJM4558M-T1
R5 100K/RE7
C2 0.01
VR1 20K EVMECSA00B24
R10 82K/RE7
CP1
CP2
R11 27K/RE7
C5 16V22/EHB
STEN_OFFSET
R15 27K/J3
IC6 NJM4558M-T1
R17 3900/RE7
C9 0.01
C10 0.01
IC4 NJM4558M-T1
VR2 50K EVMECSA00B54
CW
STEN_GAIN
CP3
R21 10K/RE7
R23 1000/J3
R25 47K/RE7
R26 18K/RE7
C16 16V47/EHB
IC5 NJM4558M-T1
C17 0.1/UFV
IC6 NJM4558M-T1
C4 0.1/UFV
R12 2200/RE7
R13 6800/RE7
C6 0.01
IC5 NJM4558M-T1
R18 390/RE7
C8 0.1/UFV
C11 16V47/EHB
C12 16V47/EHB
Q1 2SB1218AQRTX
D1 MA147-GTX
CP4
R6 820/J3
R8 5600/J3
R9 5600/RE7
C3 560P/UV
R7 5600/J3
IC1 OP177GS-R
R14 47K/RE7
C7 PAT/UV
R16 5600/RE7
IC2 OP177GS-R
C15 0.01
R20 33K/RE7
C13 PAT/UV
R19 5600/J3
C14 0.01
R22 5600/J3
IC3 NJM4580ED-T1
IC3 NJM4580ED-T1
R27 47K/RE7
R24 5600/RE7
A
B
C
D
E
F
G
H
I
J
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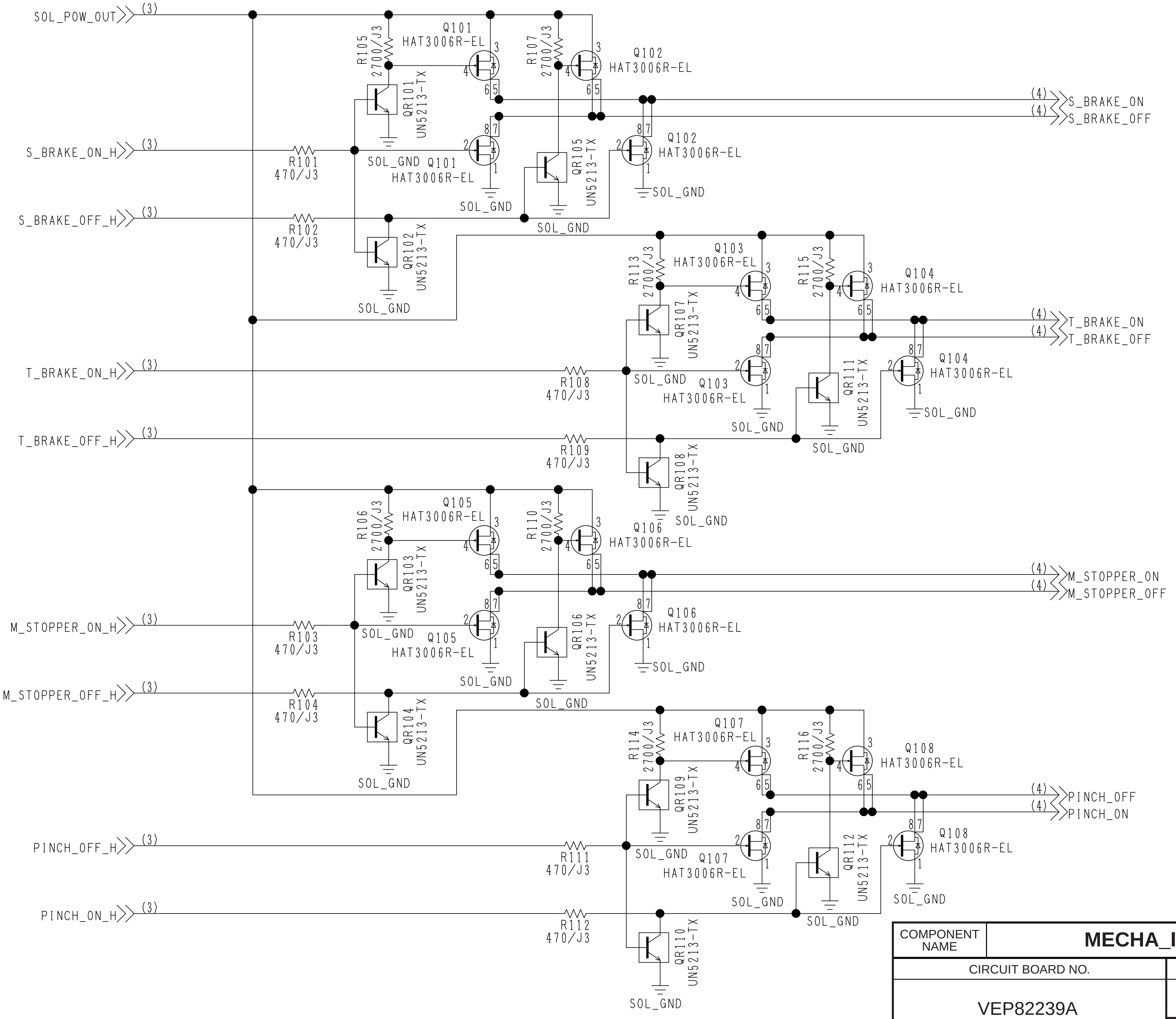
COMPONENT NAME	**MECHA_IF**	01/04
CIRCUIT BOARD NO.		DRAWING NO.
VEP82239A		KR2E02 (1/4) (0)
		SCM149


SOL_POW_OUT (3)
S_BRAKE_ON_H (3)
S_BRAKE_OFF_H (3)
T_BRAKE_ON_H (3)
T_BRAKE_OFF_H (3)
M_STOPPER_ON_H (3)
M_STOPPER_OFF_H (3)
PINCH_OFF_H (3)
PINCH_ON_H (3)
(4) S_BRAKE_ON
(4) S_BRAKE_OFF
(4) T_BRAKE_ON
(4) T_BRAKE_OFF
(4) M_STOPPER_ON
(4) M_STOPPER_OFF
(4) PINCH_OFF
(4) PINCH_ON
R101 470/J3
R102 470/J3
R103 470/J3
R104 470/J3
R105 2700/J3
R106 2700/J3
R107 2700/J3
R108 470/J3
R109 470/J3
R110 2700/J3
R111 470/J3
R112 470/J3
R113 2700/J3
R114 2700/J3
R115 2700/J3
R116 2700/J3
Q101 HAT3006R-EL
Q102 HAT3006R-EL
Q103 HAT3006R-EL
Q104 HAT3006R-EL
Q105 HAT3006R-EL
Q106 HAT3006R-EL
Q107 HAT3006R-EL
Q108 HAT3006R-EL
QR101 UN5213-TX
QR102 UN5213-TX
QR103 UN5213-TX
QR104 UN5213-TX
QR105 UN5213-TX
QR106 UN5213-TX
QR107 UN5213-TX
QR108 UN5213-TX
QR109 UN5213-TX
QR110 UN5213-TX
QR111 UN5213-TX
QR112 UN5213-TX
SOL_GND
1
2
3
4
5
6
7
8

COMPONENT NAME	MECHA_IF	02/04
CIRCUIT BOARD NO.	DRAWING NO.	
VEP82239A	KR2E02 (2/4) (0)	
	SCM150	

A
B
C
D
E
F
G
H
I
J
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6
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8
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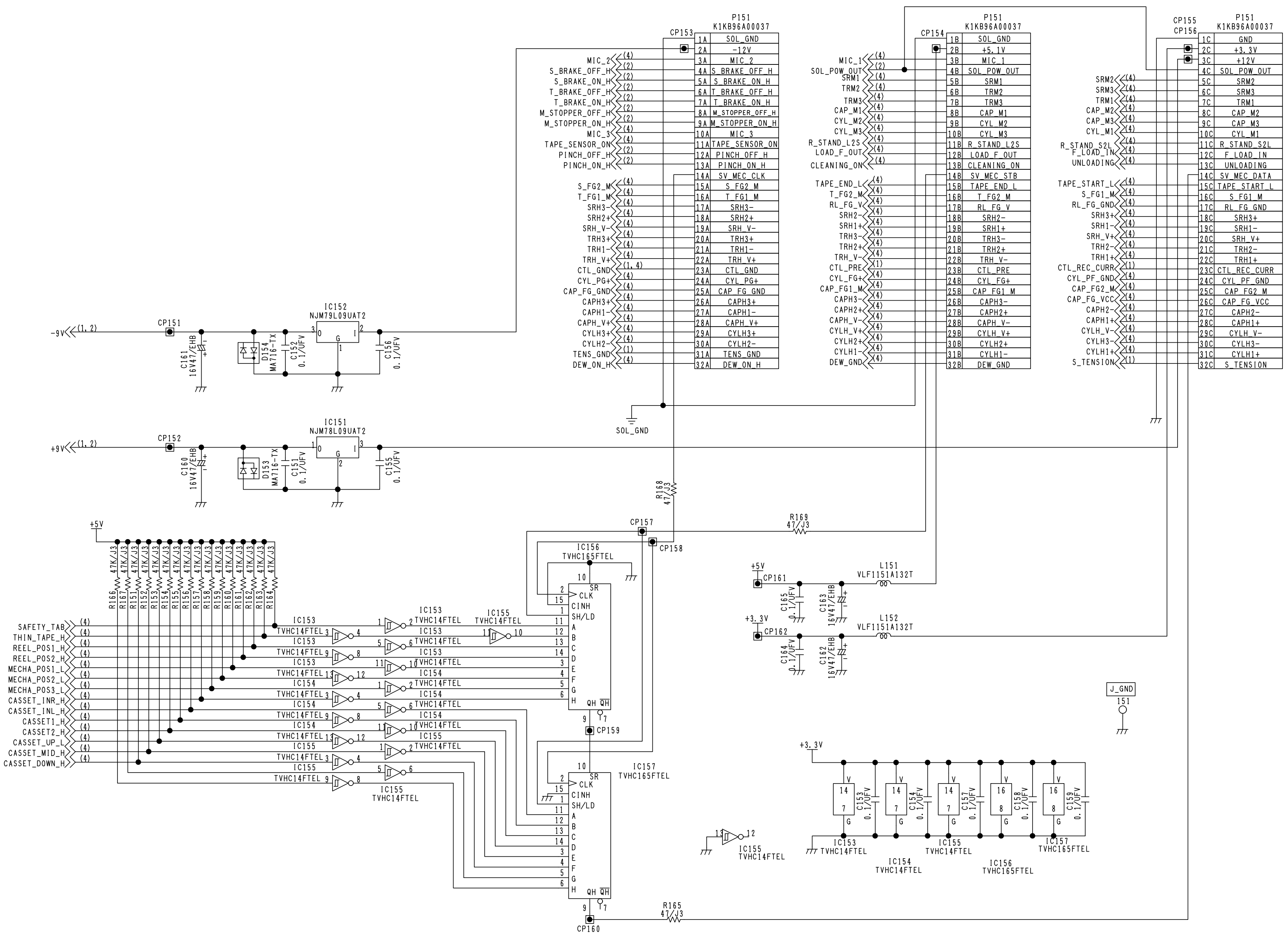
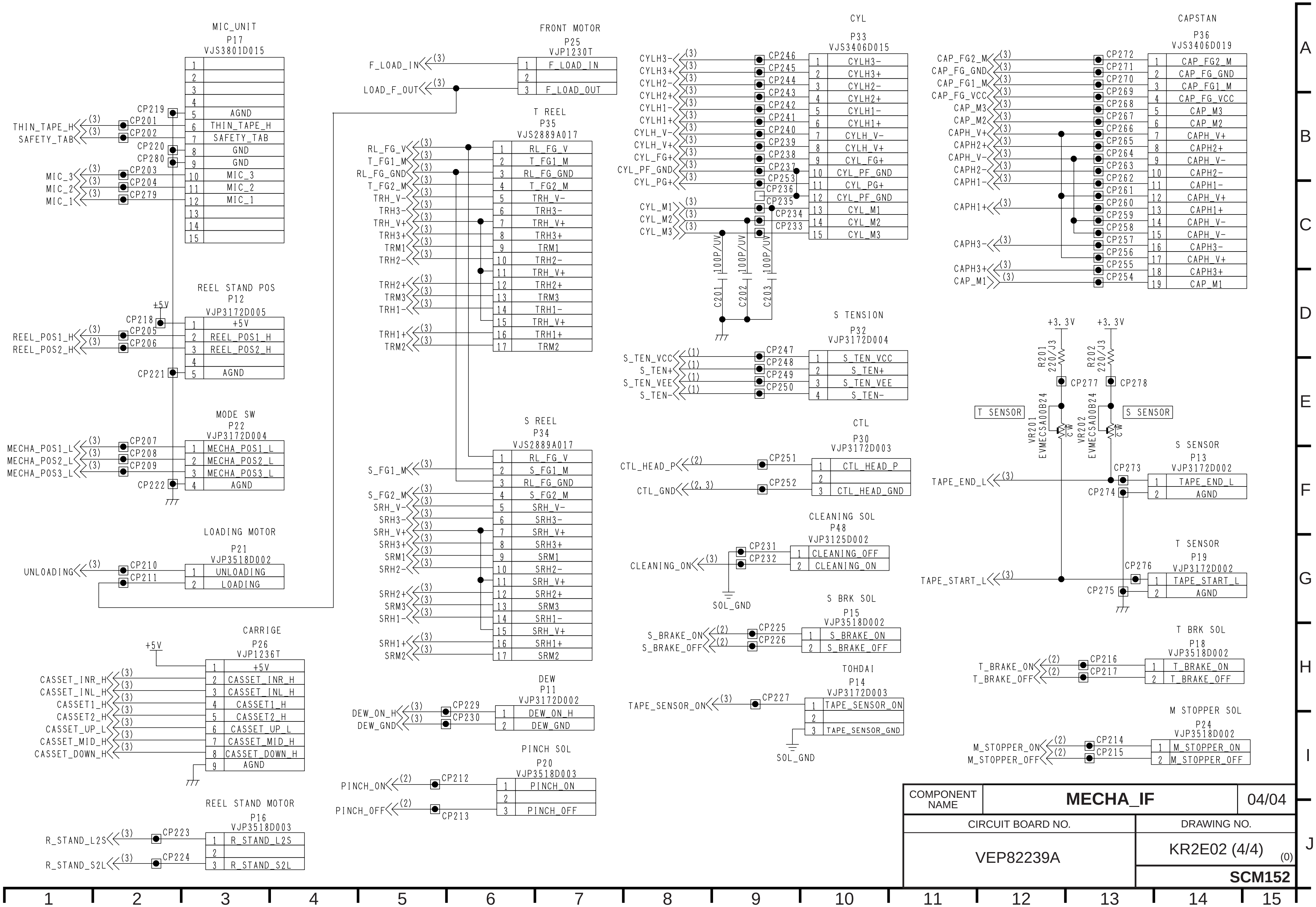
12
13
14
15


P151
K1KB96A00037
CP153
CP154
CP155
CP156
1A SOL_GND
2A -12V
3A MIC_2
4A S_BRAKE_OFF_H
5A S_BRAKE_ON_H
6A T_BRAKE_OFF_H
7A T_BRAKE_ON_H
8A M_STOPPER_OFF_H
9A M_STOPPER_ON_H
10A MIC_3
11A TAPE_SENSOR_ON
12A PINCH_OFF_H
13A PINCH_ON_H
14A SV_MEC_CLK
15A S_FG2_M
16A T_FG1_M
17A SRH3-
18A SRH2+
19A SRH_V-
20A TRH3+
21A TRH1-
22A TRH_V+
23A CTL_GND
24A CYL_PG+
25A CAP_FG_GND
26A CAPH3+
27A CAPH1-
28A CAPH_V+
29A CYLH3+
30A CYLH2-
31A TENS_GND
32A DEW_ON_H
1B SOL_GND
2B +5.1V
3B MIC_1
4B SOL_POW_OUT
5B SRM1
6B TRM2
7B TRM3
8B CAP_M1
9B CYL_M2
10B CYL_M3
11B R_STAND_L2S
12B LOAD_F_OUT
13B CLEANING_ON
14B SV_MEC_STB
15B TAPE_END_L
16B T_FG2_M
17B RL_FG_V
18B SRH2-
19B SRH1+
20B TRH3-
21B TRH2+
22B TRH_V-
23B CTL_PRE
24B CYL_FG+
25B CAP_FG1_M
26B CAPH3-
27B CAPH2+
28B CAPH_V-
29B CYLH_V+
30B CYLH2+
31B CYLH1-
32B DEW_GND
1C GND
2C +3.3V
3C +12V
4C SOL_POW_OUT
5C SRM2
6C SRM3
7C TRM1
8C CAP_M2
9C CAP_M3
10C CYL_M1
11C R_STAND_S2L
12C F_LOAD_IN
13C UNLOADING
14C SV_MEC_DATA
15C TAPE_START_L
16C S_FG1_M
17C RL_FG_GND
18C SRH3+
19C SRH1-
20C SRH_V+
21C TRH2-
22C TRH1+
23C CTL_REC_CURR
24C CYL_PF_GND
25C CAP_FG2_M
26C CAP_FG_VCC
27C CAPH2-
28C CAPH1+
29C CYLH_V-
30C CYLH3-
31C CYLH1+
32C S_TENSION
SOL_GND
-9V (1,2)
CP151
C161 16V47/EHB
D154 MA716-TX
C152 0.1/UFV
IC152 NJM79L09UAT2
C156 0.1/UFV
+9V (1,2)
CP152
C160 16V47/EHB
D153 MA716-TX
C151 0.1/UFV
IC151 NJM78L09UAT2
C155 0.1/UFV
R168 47/J3
CP157
CP158
R169 47/J3
+5V
R166 R167 R151 R152 R153 R154 R155 R156 R157 R158 R159 R160 R161 R162 R163 R164 47K/J3
SAFETY_TAB
THIN_TAPE_H
REEL_POS1_H
REEL_POS2_H
MECHA_POS1_L
MECHA_POS2_L
MECHA_POS3_L
CASSET_INR_H
CASSET_INL_H
CASSET1_H
CASSET2_H
CASSET_UP_L
CASSET_MID_H
CASSET_DOWN_H
IC153 TVHC14FTEL
IC154 TVHC14FTEL
IC155 TVHC14FTEL
IC156 TVHC165FTEL
IC157 TVHC165FTEL
CP159
CP160
R165 47/J3
+5V CP161
L151 VLF1151A132T
C165 0.1/UFV
C163 16V47/EHB
+3.3V CP162
L152 VLF1151A132T
C164 0.1/UFV
C162 16V47/EHB
J_GND 151
+3.3V
C153 0.1/UFV
C154 0.1/UFV
C157 0.1/UFV
C158 0.1/UFV
C159 0.1/UFV

COMPONENT NAME	**MECHA_IF**	03/04

CIRCUIT BOARD NO.	DRAWING NO.
VEP82239A	KR2E02 (3/4) (0)
	SCM151


MIC_UNIT
P17
VJS3801D015
1
2
3
4
5 AGND
6 THIN_TAPE_H
7 SAFETY_TAB
8 GND
9 GND
10 MIC_3
11 MIC_2
12 MIC_1
13
14
15
CP219
CP201
CP202
CP220
CP280
CP203
CP204
CP279
THIN_TAPE_H (3)
SAFETY_TAB (3)
MIC_3 (3)
MIC_2 (3)
MIC_1 (3)
REEL STAND POS
P12
VJP3172D005
+5V
CP218
CP205
CP206
CP221
1 +5V
2 REEL_POS1_H
3 REEL_POS2_H
4
5 AGND
REEL_POS1_H (3)
REEL_POS2_H (3)
MODE SW
P22
VJP3172D004
CP207
CP208
CP209
CP222
1 MECHA_POS1_L
2 MECHA_POS2_L
3 MECHA_POS3_L
4 AGND
MECHA_POS1_L (3)
MECHA_POS2_L (3)
MECHA_POS3_L (3)
LOADING MOTOR
P21
VJP3518D002
CP210
CP211
1 UNLOADING
2 LOADING
UNLOADING (3)
CARRIGE
P26
VJP1236T
+5V
1 +5V
2 CASSET_INR_H
3 CASSET_INL_H
4 CASSET1_H
5 CASSET2_H
6 CASSET_UP_L
7 CASSET_MID_H
8 CASSET_DOWN_H
9 AGND
CASSET_INR_H (3)
CASSET_INL_H (3)
CASSET1_H (3)
CASSET2_H (3)
CASSET_UP_L (3)
CASSET_MID_H (3)
CASSET_DOWN_H (3)
REEL STAND MOTOR
P16
VJP3518D003
CP223
CP224
1 R_STAND_L2S
2
3 R_STAND_S2L
R_STAND_L2S (3)
R_STAND_S2L (3)
FRONT MOTOR
P25
VJP1230T
1 F_LOAD_IN
2
3 F_LOAD_OUT
F_LOAD_IN (3)
LOAD_F_OUT (3)
T REEL
P35
VJS2889A017
1 RL_FG_V
2 T_FG1_M
3 RL_FG_GND
4 T_FG2_M
5 TRH_V-
6 TRH3-
7 TRH_V+
8 TRH3+
9 TRM1
10 TRH2-
11 TRH_V+
12 TRH2+
13 TRM3
14 TRH1-
15 TRH_V+
16 TRH1+
17 TRM2
RL_FG_V (3)
T_FG1_M (3)
RL_FG_GND (3)
T_FG2_M (3)
TRH_V- (3)
TRH3- (3)
TRH_V+ (3)
TRH3+ (3)
TRM1 (3)
TRH2- (3)
TRH2+ (3)
TRM3 (3)
TRH1- (3)
TRH1+ (3)
TRM2 (3)
S REEL
P34
VJS2889A017
1 RL_FG_V
2 S_FG1_M
3 RL_FG_GND
4 S_FG2_M
5 SRH_V-
6 SRH3-
7 SRH_V+
8 SRH3+
9 SRM1
10 SRH2-
11 SRH_V+
12 SRH2+
13 SRM3
14 SRH1-
15 SRH_V+
16 SRH1+
17 SRM2
S_FG1_M (3)
S_FG2_M (3)
SRH_V- (3)
SRH3- (3)
SRH_V+ (3)
SRH3+ (3)
SRM1 (3)
SRH2- (3)
SRH2+ (3)
SRM3 (3)
SRH1- (3)
SRH1+ (3)
SRM2 (3)
DEW
P11
VJP3172D002
CP229
CP230
1 DEW_ON_H
2 DEW_GND
DEW_ON_H (3)
DEW_GND (3)
PINCH SOL
P20
VJP3518D003
CP212
CP213
1 PINCH_ON
2
3 PINCH_OFF
PINCH_ON (2)
PINCH_OFF (2)
CYL
P33
VJS3406D015
1 CYLH3-
2 CYLH3+
3 CYLH2-
4 CYLH2+
5 CYLH1-
6 CYLH1+
7 CYLH_V-
8 CYLH_V+
9 CYL_FG+
10 CYL_PF_GND
11 CYL_PG+
12 CYL_PF_GND
13 CYL_M1
14 CYL_M2
15 CYL_M3
CP246
CP245
CP244
CP243
CP242
CP241
CP240
CP239
CP238
CP237
CP253
CP236
CP235
CP234
CP233
CYLH3- (3)
CYLH3+ (3)
CYLH2- (3)
CYLH2+ (3)
CYLH1- (3)
CYLH1+ (3)
CYLH_V- (3)
CYLH_V+ (3)
CYL_FG+ (3)
CYL_PF_GND (3)
CYL_PG+ (3)
CYL_M1 (3)
CYL_M2 (3)
CYL_M3 (3)
C201 100P/UV
C202 100P/UV
C203 100P/UV
S TENSION
P32
VJP3172D004
CP247
CP248
CP249
CP250
1 S_TEN_VCC
2 S_TEN+
3 S_TEN_VEE
4 S_TEN-
S_TEN_VCC (1)
S_TEN+ (1)
S_TEN_VEE (1)
S_TEN- (1)
CTL
P30
VJP3172D003
CP251
CP252
1 CTL_HEAD_P
2
3 CTL_HEAD_GND
CTL_HEAD_P (2)
CTL_GND (2, 3)
CLEANING SOL
P48
VJP3125D002
CP231
CP232
1 CLEANING_OFF
2 CLEANING_ON
CLEANING_ON (3)
SOL_GND
S BRK SOL
P15
VJP3518D002
CP225
CP226
1 S_BRAKE_ON
2 S_BRAKE_OFF
S_BRAKE_ON (2)
S_BRAKE_OFF (2)
TOHDAI
P14
VJP3172D003
CP227
1 TAPE_SENSOR_ON
2
3 TAPE_SENSOR_GND
TAPE_SENSOR_ON (3)
SOL_GND
CAPSTAN
P36
VJS3406D019
1 CAP_FG2_M
2 CAP_FG_GND
3 CAP_FG1_M
4 CAP_FG_VCC
5 CAP_M3
6 CAP_M2
7 CAPH_V+
8 CAPH2+
9 CAPH_V-
10 CAPH2-
11 CAPH1-
12 CAPH_V+
13 CAPH1+
14 CAPH_V-
15 CAPH_V-
16 CAPH3-
17 CAPH_V+
18 CAPH3+
19 CAP_M1
CP272
CP271
CP270
CP269
CP268
CP267
CP266
CP265
CP264
CP263
CP262
CP261
CP260
CP259
CP258
CP257
CP256
CP255
CP254
CAP_FG2_M (3)
CAP_FG_GND (3)
CAP_FG1_M (3)
CAP_FG_VCC (3)
CAP_M3 (3)
CAP_M2 (3)
CAPH_V+ (3)
CAPH2+ (3)
CAPH_V- (3)
CAPH2- (3)
CAPH1- (3)
CAPH1+ (3)
CAPH3- (3)
CAPH3+ (3)
CAP_M1 (3)
+3.3V
+3.3V
R201 220/J3
R202 220/J3
CP277
CP278
T SENSOR
S SENSOR
VR201 EVMECSA00B24
VR202 EVMECSA00B24
CW
CW
S SENSOR
P13
VJP3172D002
CP273
CP274
1 TAPE_END_L
2 AGND
TAPE_END_L (3)
T SENSOR
P19
VJP3172D002
CP276
CP275
1 TAPE_START_L
2 AGND
TAPE_START_L (3)
T BRK SOL
P18
VJP3518D002
CP216
CP217
1 T_BRAKE_ON
2 T_BRAKE_OFF
T_BRAKE_ON (2)
T_BRAKE_OFF (2)
M STOPPER SOL
P24
VJP3518D002
CP214
CP215
1 M_STOPPER_ON
2 M_STOPPER_OFF
M_STOPPER_ON (2)
M_STOPPER_OFF (2)
A
B
C
D
E
F
G
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I
J
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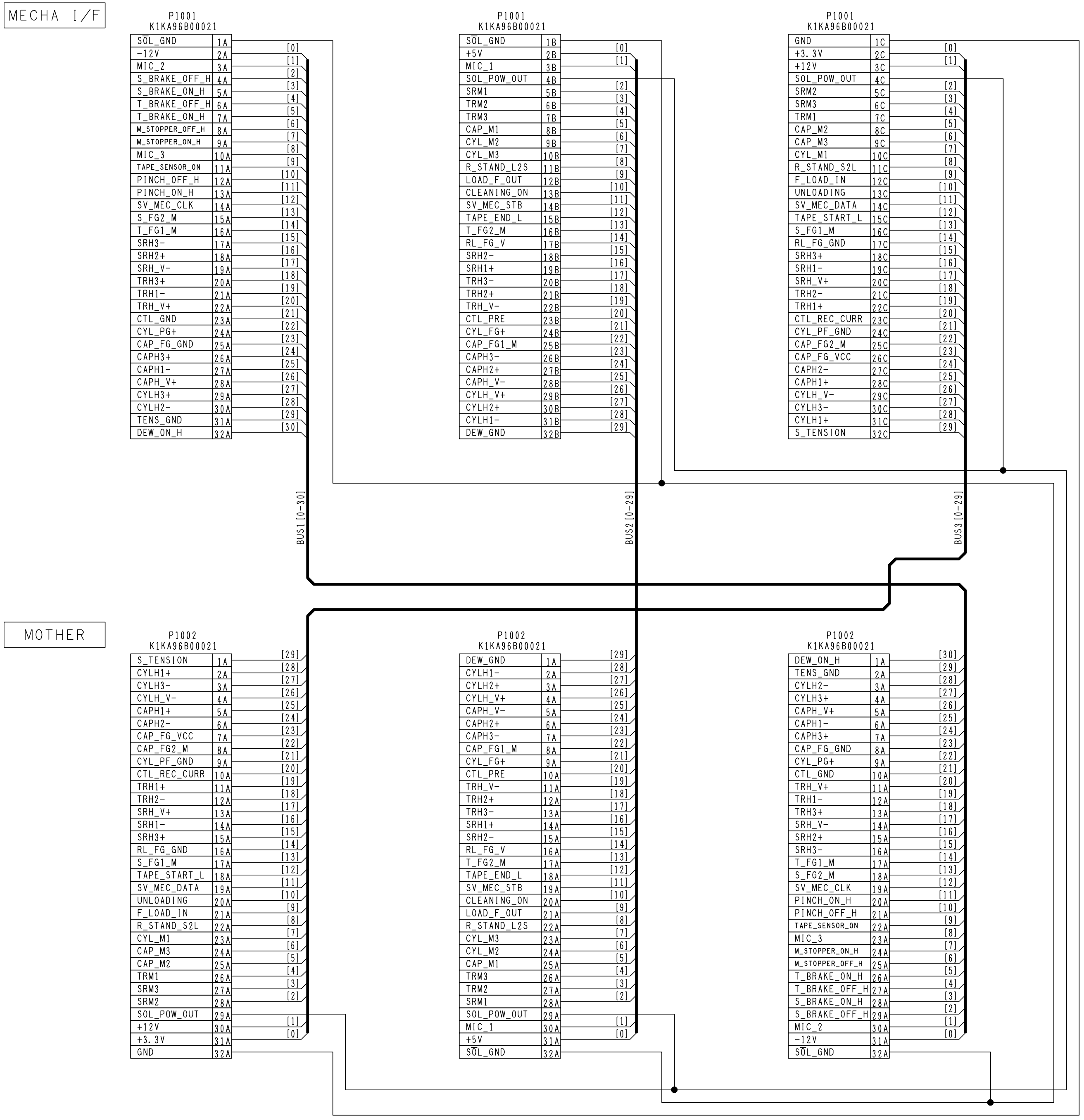
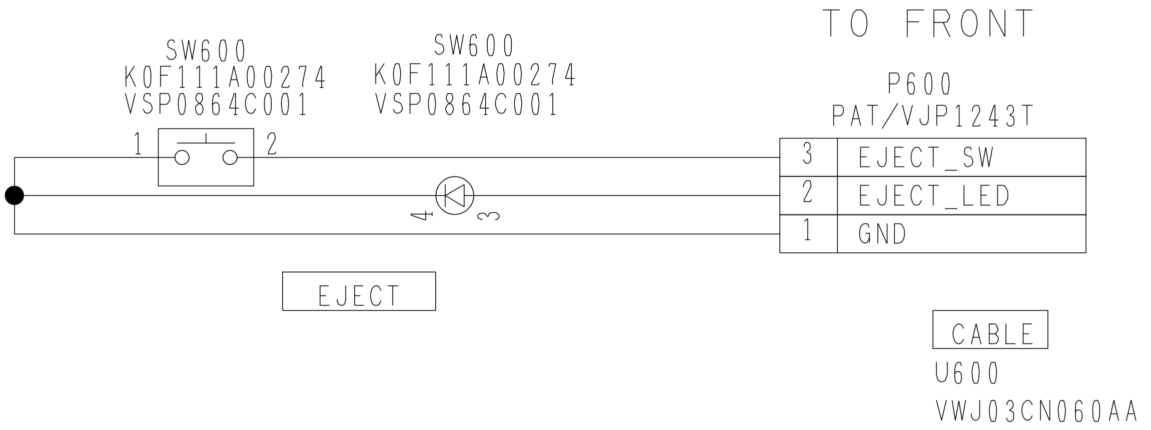
COMPONENT NAME	MECHA_IF	04/04
CIRCUIT BOARD NO.	DRAWING NO.	
VEP82239A	KR2E02 (4/4) (0)	
	SCM152	

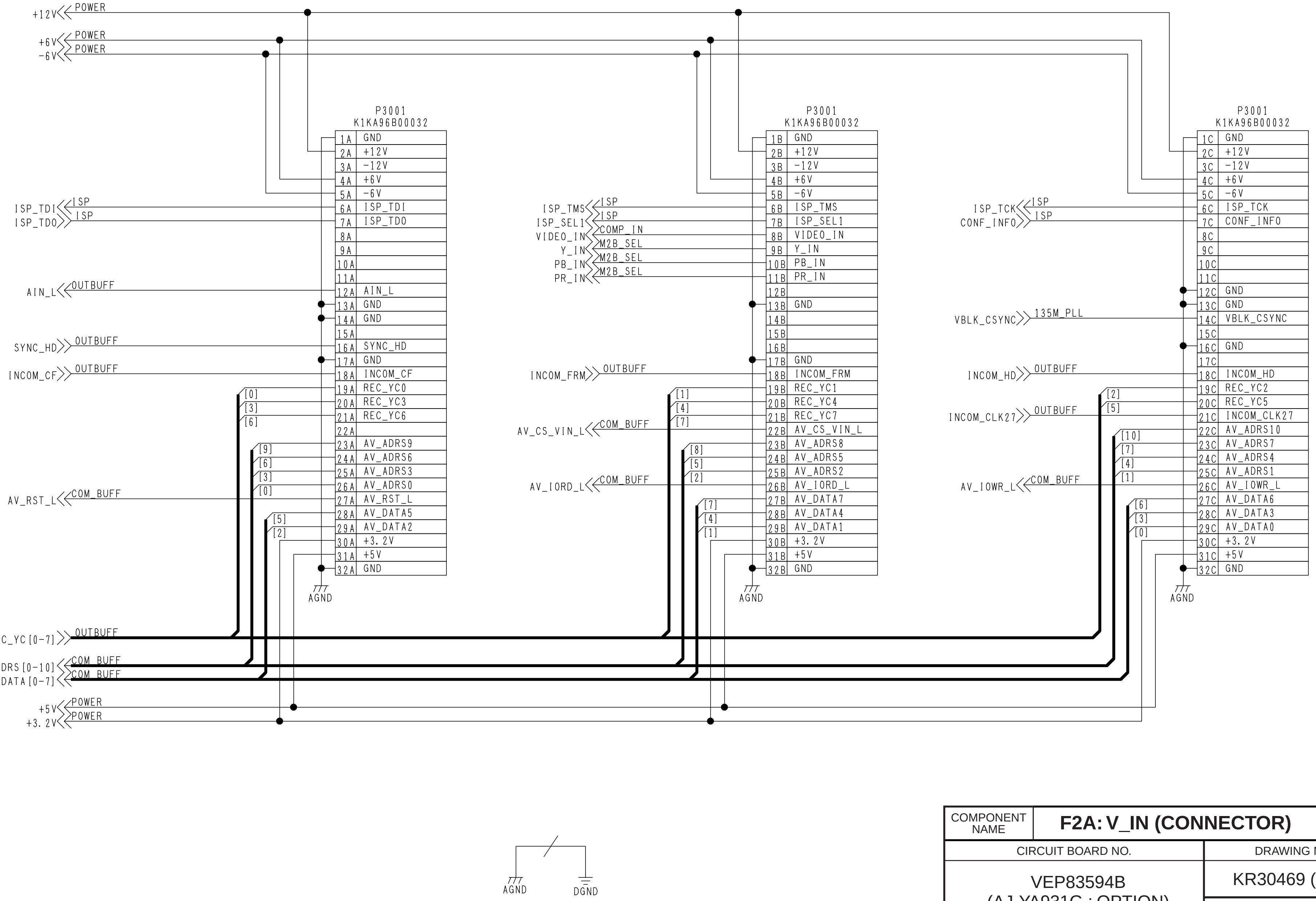

MECHA I/F
P1001
K1KA96B00021
SOL_GND 1A
-12V 2A
MIC_2 3A
S_BRAKE_OFF_H 4A
S_BRAKE_ON_H 5A
T_BRAKE_OFF_H 6A
T_BRAKE_ON_H 7A
M_STOPPER_OFF_H 8A
M_STOPPER_ON_H 9A
MIC_3 10A
TAPE_SENSOR_ON 11A
PINCH_OFF_H 12A
PINCH_ON_H 13A
SV_MEC_CLK 14A
S_FG2_M 15A
T_FG1_M 16A
SRH3- 17A
SRH2+ 18A
SRH_V- 19A
TRH3+ 20A
TRH1- 21A
TRH_V+ 22A
CTL_GND 23A
CYL_PG+ 24A
CAP_FG_GND 25A
CAPH3+ 26A
CAPH1- 27A
CAPH_V+ 28A
CYLH3+ 29A
CYLH2- 30A
TENS_GND 31A
DEW_ON_H 32A
P1001
K1KA96B00021
SOL_GND 1B
+5V 2B
MIC_1 3B
SOL_POW_OUT 4B
SRM1 5B
TRM2 6B
TRM3 7B
CAP_M1 8B
CYL_M2 9B
CYL_M3 10B
R_STAND_L2S 11B
LOAD_F_OUT 12B
CLEANING_ON 13B
SV_MEC_STB 14B
TAPE_END_L 15B
T_FG2_M 16B
RL_FG_V 17B
SRH2- 18B
SRH1+ 19B
TRH3- 20B
TRH2+ 21B
TRH_V- 22B
CTL_PRE 23B
CYL_FG+ 24B
CAP_FG1_M 25B
CAPH3- 26B
CAPH2+ 27B
CAPH_V- 28B
CYLH_V+ 29B
CYLH2+ 30B
CYLH1- 31B
DEW_GND 32B
P1001
K1KA96B00021
GND 1C
+3.3V 2C
+12V 3C
SOL_POW_OUT 4C
SRM2 5C
SRM3 6C
TRM1 7C
CAP_M2 8C
CAP_M3 9C
CYL_M1 10C
R_STAND_S2L 11C
F_LOAD_IN 12C
UNLOADING 13C
SV_MEC_DATA 14C
TAPE_START_L 15C
S_FG1_M 16C
RL_FG_GND 17C
SRH3+ 18C
SRH1- 19C
SRH_V+ 20C
TRH2- 21C
TRH1+ 22C
CTL_REC_CURR 23C
CYL_PF_GND 24C
CAP_FG2_M 25C
CAP_FG_VCC 26C
CAPH2- 27C
CAPH1+ 28C
CYLH_V- 29C
CYLH3- 30C
CYLH1+ 31C
S_TENSION 32C
BUS1[0-30]
BUS2[0-29]
BUS3[0-29]
MOTHER
P1002
K1KA96B00021
S_TENSION 1A
CYLH1+ 2A
CYLH3- 3A
CYLH_V- 4A
CAPH1+ 5A
CAPH2- 6A
CAP_FG_VCC 7A
CAP_FG2_M 8A
CYL_PF_GND 9A
CTL_REC_CURR 10A
TRH1+ 11A
TRH2- 12A
SRH_V+ 13A
SRH1- 14A
SRH3+ 15A
RL_FG_GND 16A
S_FG1_M 17A
TAPE_START_L 18A
SV_MEC_DATA 19A
UNLOADING 20A
F_LOAD_IN 21A
R_STAND_S2L 22A
CYL_M1 23A
CAP_M3 24A
CAP_M2 25A
TRM1 26A
SRM3 27A
SRM2 28A
SOL_POW_OUT 29A
+12V 30A
+3.3V 31A
GND 32A
P1002
K1KA96B00021
DEW_GND 1A
CYLH1- 2A
CYLH2+ 3A
CYLH_V+ 4A
CAPH_V- 5A
CAPH2+ 6A
CAPH3- 7A
CAP_FG1_M 8A
CYL_FG+ 9A
CTL_PRE 10A
TRH_V- 11A
TRH2+ 12A
TRH3- 13A
SRH1+ 14A
SRH2- 15A
RL_FG_V 16A
T_FG2_M 17A
TAPE_END_L 18A
SV_MEC_STB 19A
CLEANING_ON 20A
LOAD_F_OUT 21A
R_STAND_L2S 22A
CYL_M3 23A
CYL_M2 24A
CAP_M1 25A
TRM3 26A
TRM2 27A
SRM1 28A
SOL_POW_OUT 29A
MIC_1 30A
+5V 31A
SOL_GND 32A
P1002
K1KA96B00021
DEW_ON_H 1A
TENS_GND 2A
CYLH2- 3A
CYLH3+ 4A
CAPH_V+ 5A
CAPH1- 6A
CAPH3+ 7A
CAP_FG_GND 8A
CYL_PG+ 9A
CTL_GND 10A
TRH_V+ 11A
TRH1- 12A
TRH3+ 13A
SRH_V- 14A
SRH2+ 15A
SRH3- 16A
T_FG1_M 17A
S_FG2_M 18A
SV_MEC_CLK 19A
PINCH_ON_H 20A
PINCH_OFF_H 21A
TAPE_SENSOR_ON 22A
MIC_3 23A
M_STOPPER_ON_H 24A
M_STOPPER_OFF_H 25A
T_BRAKE_ON_H 26A
T_BRAKE_OFF_H 27A
S_BRAKE_ON_H 28A
S_BRAKE_OFF_H 29A
MIC_2 30A
-12V 31A
SOL_GND 32A

COMPONENT NAME	MECHA_IF2		01/01
CIRCUIT BOARD NO.		DRAWING NO.	
VEP82247A		KR2E67 (1/1) (0)	
		SCM153	

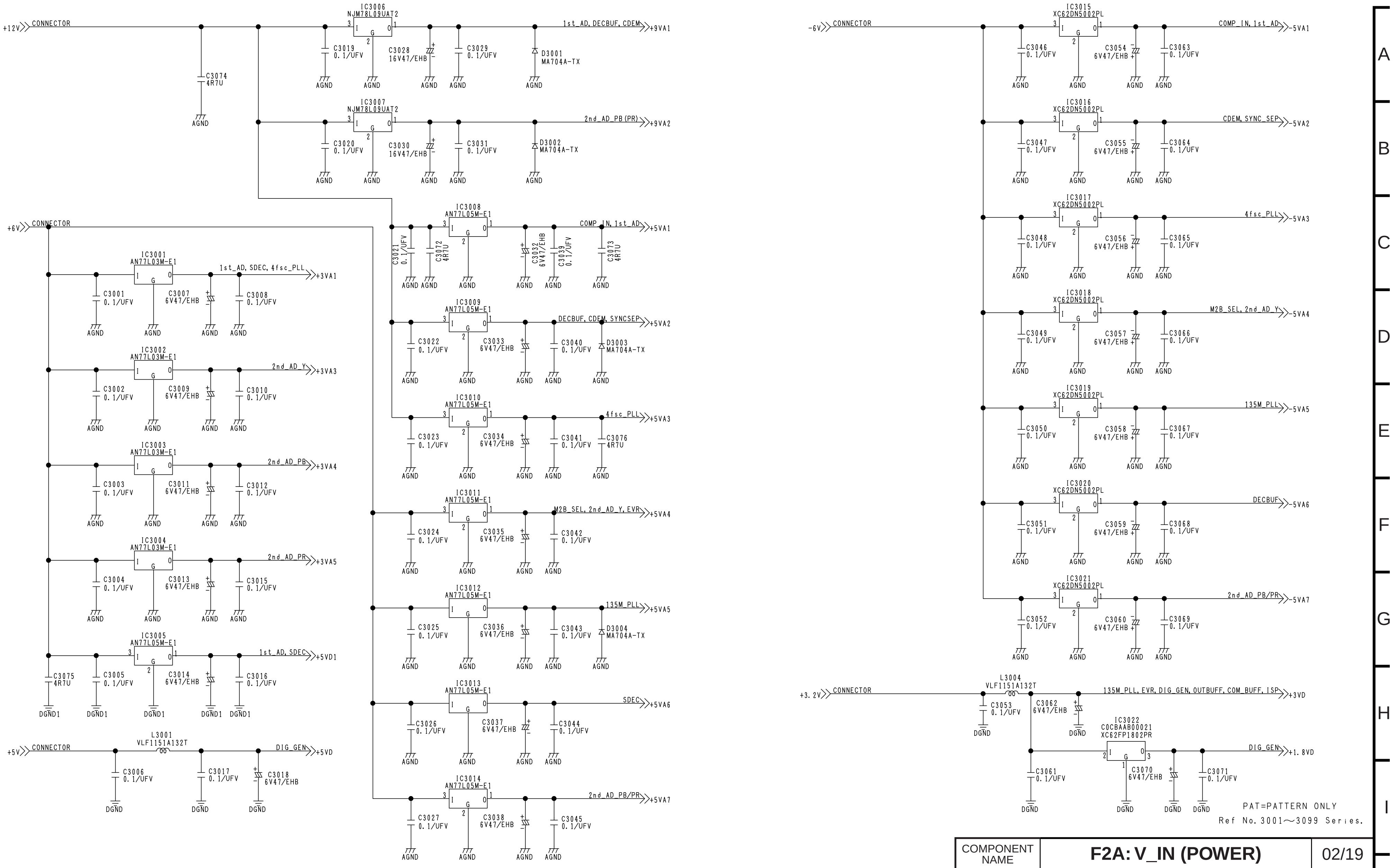

TO FRONT
SW600
K0F111A00274
VSP0864C001
1
2
SW600
K0F111A00274
VSP0864C001
4
3
P600
PAT/VJP1243T
3 EJECT_SW
2 EJECT_LED
1 GND
EJECT
CABLE
U600
VWJ03CN060AA

COMPONENT NAME	EJECT	01/01
CIRCUIT BOARD NO.	DRAWING NO.	
VEP80C42A	KR0R99 (1/1) (0)	
	SCM154	

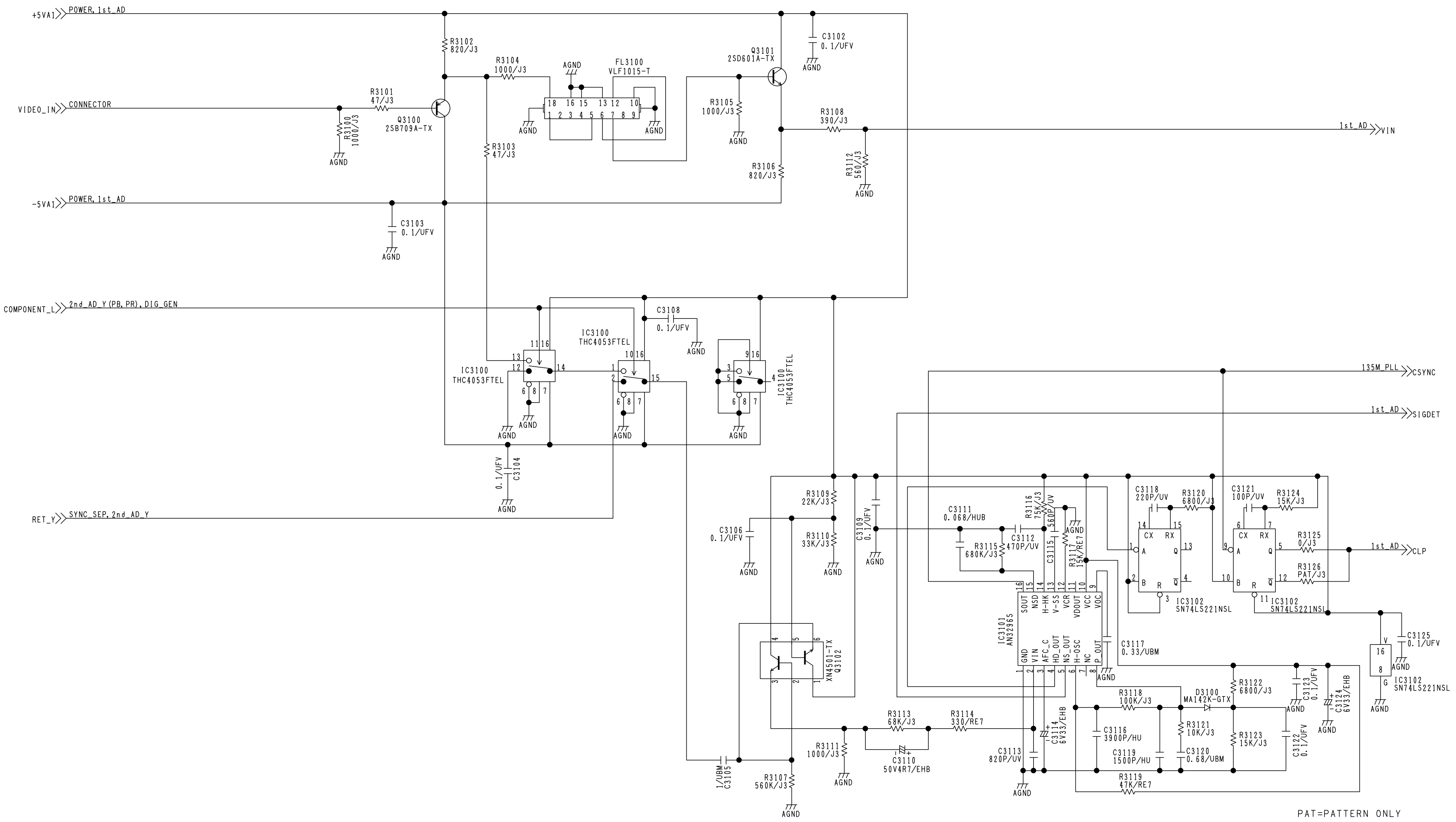
A
B
C
D
E
F
G
H
I
J
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15


+12V POWER
+6V POWER
-6V POWER
ISP_TDI ISP
ISP_TDO ISP
AIN_L OUTBUFF
SYNC_HD OUTBUFF
INCOM_CF OUTBUFF
AV_RST_L COM_BUFF
P3001
K1KA96B00032
1A GND
2A +12V
3A -12V
4A +6V
5A -6V
6A ISP_TDI
7A ISP_TDO
8A
9A
10A
11A
12A AIN_L
13A GND
14A GND
15A
16A SYNC_HD
17A GND
18A INCOM_CF
19A REC_YC0
20A REC_YC3
21A REC_YC6
22A
23A AV_ADRS9
24A AV_ADRS6
25A AV_ADRS3
26A AV_ADRS0
27A AV_RST_L
28A AV_DATA5
29A AV_DATA2
30A +3.2V
31A +5V
32A GND
AGND
ISP_TMS ISP
ISP_SEL1 ISP
VIDEO_IN COMP_IN
Y_IN M2B_SEL
PB_IN M2B_SEL
PR_IN M2B_SEL
INCOM_FRM OUTBUFF
AV_CS_VIN_L COM_BUFF
AV_IORD_L COM_BUFF
1B GND
2B +12V
3B -12V
4B +6V
5B -6V
6B ISP_TMS
7B ISP_SEL1
8B VIDEO_IN
9B Y_IN
10B PB_IN
11B PR_IN
12B
13B GND
14B
15B
16B
17B GND
18B INCOM_FRM
19B REC_YC1
20B REC_YC4
21B REC_YC7
22B AV_CS_VIN_L
23B AV_ADRS8
24B AV_ADRS5
25B AV_ADRS2
26B AV_IORD_L
27B AV_DATA7
28B AV_DATA4
29B AV_DATA1
30B +3.2V
31B +5V
32B GND
ISP_TCK ISP
CONF_INFO ISP
VBLK_CSYNC 135M_PLL
INCOM_HD OUTBUFF
INCOM_CLK27 OUTBUFF
AV_IOWR_L COM_BUFF
1C GND
2C +12V
3C -12V
4C +6V
5C -6V
6C ISP_TCK
7C CONF_INFO
8C
9C
10C
11C
12C GND
13C GND
14C VBLK_CSYNC
15C
16C GND
17C
18C INCOM_HD
19C REC_YC2
20C REC_YC5
21C INCOM_CLK27
22C AV_ADRS10
23C AV_ADRS7
24C AV_ADRS4
25C AV_ADRS1
26C AV_IOWR_L
27C AV_DATA6
28C AV_DATA3
29C AV_DATA0
30C +3.2V
31C +5V
32C GND
[0] [3] [6] [9] [6] [3] [0] [5] [2]
[1] [4] [7] [8] [5] [2] [7] [4] [1]
[2] [5] [10] [7] [4] [1] [6] [3] [0]
REC_YC[0-7] OUTBUFF
AV_ADRS[0-10] COM_BUFF
AV_DATA[0-7] COM_BUFF
+5V POWER
+3.2V POWER
AGND
DGND

COMPONENT NAME	**F2A: V_IN (CONNECTOR)**	01/19
CIRCUIT BOARD NO.	DRAWING NO.	
VEP83594B (AJ-YA931G : OPTION)	KR30469 (1/19) (0)	
	SCM155	


+12V CONNECTOR
IC3006 NJM78L09UAT2
C3019 0.1/UFV
C3028 16V47/EHB
C3029 0.1/UFV
D3001 MA704A-TX
1st_AD, DECBUF, CDEM
+9VA1
C3074 4R7U
IC3007 NJM78L09UAT2
C3020 0.1/UFV
C3030 16V47/EHB
C3031 0.1/UFV
D3002 MA704A-TX
2nd_AD_PB(PR)
+9VA2
+6V CONNECTOR
IC3001 AN77L03M-E1
C3001 0.1/UFV
C3007 6V47/EHB
C3008 0.1/UFV
1st_AD, SDEC, 4fsc_PLL
+3VA1
IC3002 AN77L03M-E1
C3002 0.1/UFV
C3009 6V47/EHB
C3010 0.1/UFV
2nd_AD_Y
+3VA3
IC3003 AN77L03M-E1
C3003 0.1/UFV
C3011 6V47/EHB
C3012 0.1/UFV
2nd_AD_PB
+3VA4
IC3004 AN77L03M-E1
C3004 0.1/UFV
C3013 6V47/EHB
C3015 0.1/UFV
2nd_AD_PR
+3VA5
IC3005 AN77L05M-E1
C3075 4R7U
C3005 0.1/UFV
C3014 6V47/EHB
C3016 0.1/UFV
1st_AD, SDEC
+5VD1
+5V CONNECTOR
L3001 VLF1151A132T
C3006 0.1/UFV
C3017 0.1/UFV
C3018 6V47/EHB
DIG_GEN
+5VD
IC3008 AN77L05M-E1
C3021 0.1/UFV
C3072 4R7U
C3032 6V47/EHB
C3039 0.1/UFV
C3073 4R7U
COMP_IN, 1st_AD
+5VA1
IC3009 AN77L05M-E1
C3022 0.1/UFV
C3033 6V47/EHB
C3040 0.1/UFV
D3003 MA704A-TX
DECBUF, CDEM, SYNCSEP
+5VA2
IC3010 AN77L05M-E1
C3023 0.1/UFV
C3034 6V47/EHB
C3041 0.1/UFV
C3076 4R7U
4fsc_PLL
+5VA3
IC3011 AN77L05M-E1
C3024 0.1/UFV
C3035 6V47/EHB
C3042 0.1/UFV
M2B_SEL, 2nd_AD_Y, EVR
+5VA4
IC3012 AN77L05M-E1
C3025 0.1/UFV
C3036 6V47/EHB
C3043 0.1/UFV
D3004 MA704A-TX
135M_PLL
+5VA5
IC3013 AN77L05M-E1
C3026 0.1/UFV
C3037 6V47/EHB
C3044 0.1/UFV
SDEC
+5VA6
IC3014 AN77L05M-E1
C3027 0.1/UFV
C3038 6V47/EHB
C3045 0.1/UFV
2nd_AD_PB/PR
+5VA7
-6V CONNECTOR
IC3015 XC62DN5002PL
C3046 0.1/UFV
C3054 6V47/EHB
C3063 0.1/UFV
COMP_IN, 1st_AD
-5VA1
IC3016 XC62DN5002PL
C3047 0.1/UFV
C3055 6V47/EHB
C3064 0.1/UFV
CDEM, SYNC_SEP
-5VA2
IC3017 XC62DN5002PL
C3048 0.1/UFV
C3056 6V47/EHB
C3065 0.1/UFV
4fsc_PLL
-5VA3
IC3018 XC62DN5002PL
C3049 0.1/UFV
C3057 6V47/EHB
C3066 0.1/UFV
M2B_SEL, 2nd_AD_Y
-5VA4
IC3019 XC62DN5002PL
C3050 0.1/UFV
C3058 6V47/EHB
C3067 0.1/UFV
135M_PLL
-5VA5
IC3020 XC62DN5002PL
C3051 0.1/UFV
C3059 6V47/EHB
C3068 0.1/UFV
DECBUF
-5VA6
IC3021 XC62DN5002PL
C3052 0.1/UFV
C3060 6V47/EHB
C3069 0.1/UFV
2nd_AD_PB/PR
-5VA7
+3.2V CONNECTOR
L3004 VLF1151A132T
C3053 0.1/UFV
C3062 6V47/EHB
135M_PLL, EVR, DIG_GEN, OUTBUFF, COM_BUFF, ISP
+3VD
IC3022 C0CBAAB00021 XC62FP1802PR
C3061 0.1/UFV
C3070 6V47/EHB
C3071 0.1/UFV
DIG_GEN
+1.8VD
AGND
DGND
DGND1
PAT=PATTERN ONLY
Ref No. 3001～3099 Series.

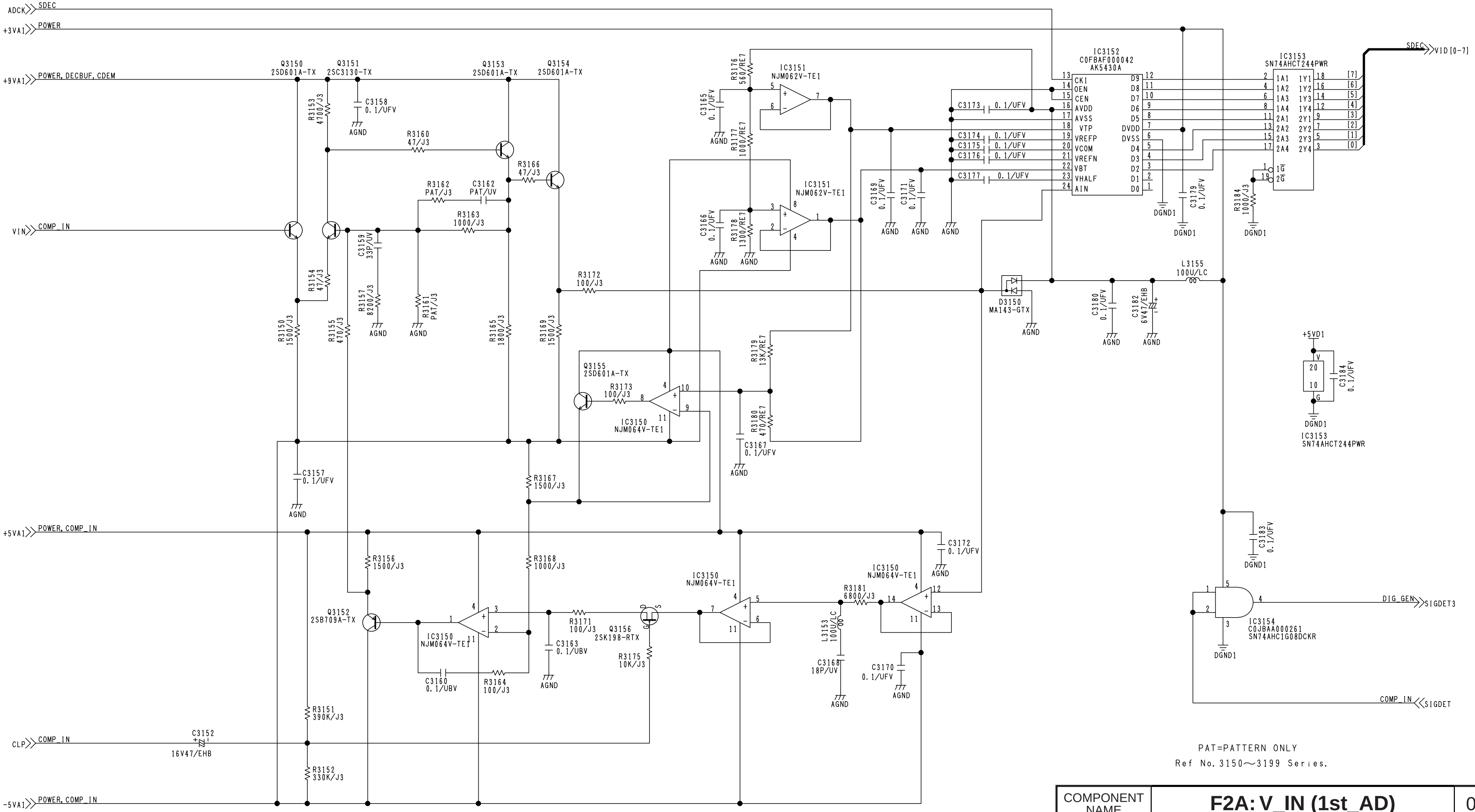
COMPONENT NAME	F2A: V_IN (POWER)	02/19
CIRCUIT BOARD NO.	DRAWING NO.	
VEP83594B (AJ-YA931G : OPTION)	KR30469 (2/19) (0)	
	SCM156	


+5VA1
POWER,1st_AD
VIDEO_IN
CONNECTOR
-5VA1
POWER,1st_AD
COMPONENT_L
2nd_AD_Y(PB,PR),DIG_GEN
RET_Y
SYNC_SEP,2nd_AD_Y
R3100
1000/J3
R3101
47/J3
Q3100
2SB709A-TX
R3102
820/J3
R3103
47/J3
R3104
1000/J3
FL3100
VLF1015-T
Q3101
2SD601A-TX
C3102
0.1/UFV
R3105
1000/J3
R3106
820/J3
R3108
390/J3
R3112
560/J3
1st_AD
VIN
C3103
0.1/UFV
C3104
0.1/UFV
C3108
0.1/UFV
IC3100
THC4053FTEL
C3105
1/UBM
C3106
0.1/UFV
R3107
560K/J3
R3109
22K/J3
R3110
33K/J3
C3109
0.1/UFV
Q3102
XN4501-TX
R3111
1000/J3
R3113
68K/J3
C3110
50V4R7/EHB
R3114
330/RE7
C3111
0.068/HUB
R3115
680K/J3
C3112
470P/UV
R3116
75K/J3
C3115
560P/UV
R3117
15K/RE7
IC3101
AN3296S
SOUT
NSD
H-HK
V-SS
VCR
VDOUT
VCC
VOC
GND
VIN
AFC_C
HD_OUT
NS_OUT
H-OSC
NC
P_OUT
C3113
820P/UV
C3114
6V33/EHB
C3117
0.33/UBM
C3116
3900P/HU
R3118
100K/J3
C3119
1500P/HU
R3121
10K/J3
C3120
0.68/UBM
D3100
MA142K-GTX
R3122
6800/J3
R3123
15K/J3
C3122
0.1/UFV
C3123
0.1/UFV
C3124
6V33/EHB
R3119
47K/RE7
135M_PLL
CSYNC
1st_AD
SIGDET
C3118
220P/UV
R3120
6800/J3
C3121
100P/UV
R3124
15K/J3
CX
RX
A
B
R
Q
IC3102
SN74LS221NSL
R3125
0/J3
R3126
PAT/J3
1st_AD
CLP
C3125
0.1/UFV
AGND

PAT=PATTERN ONLY

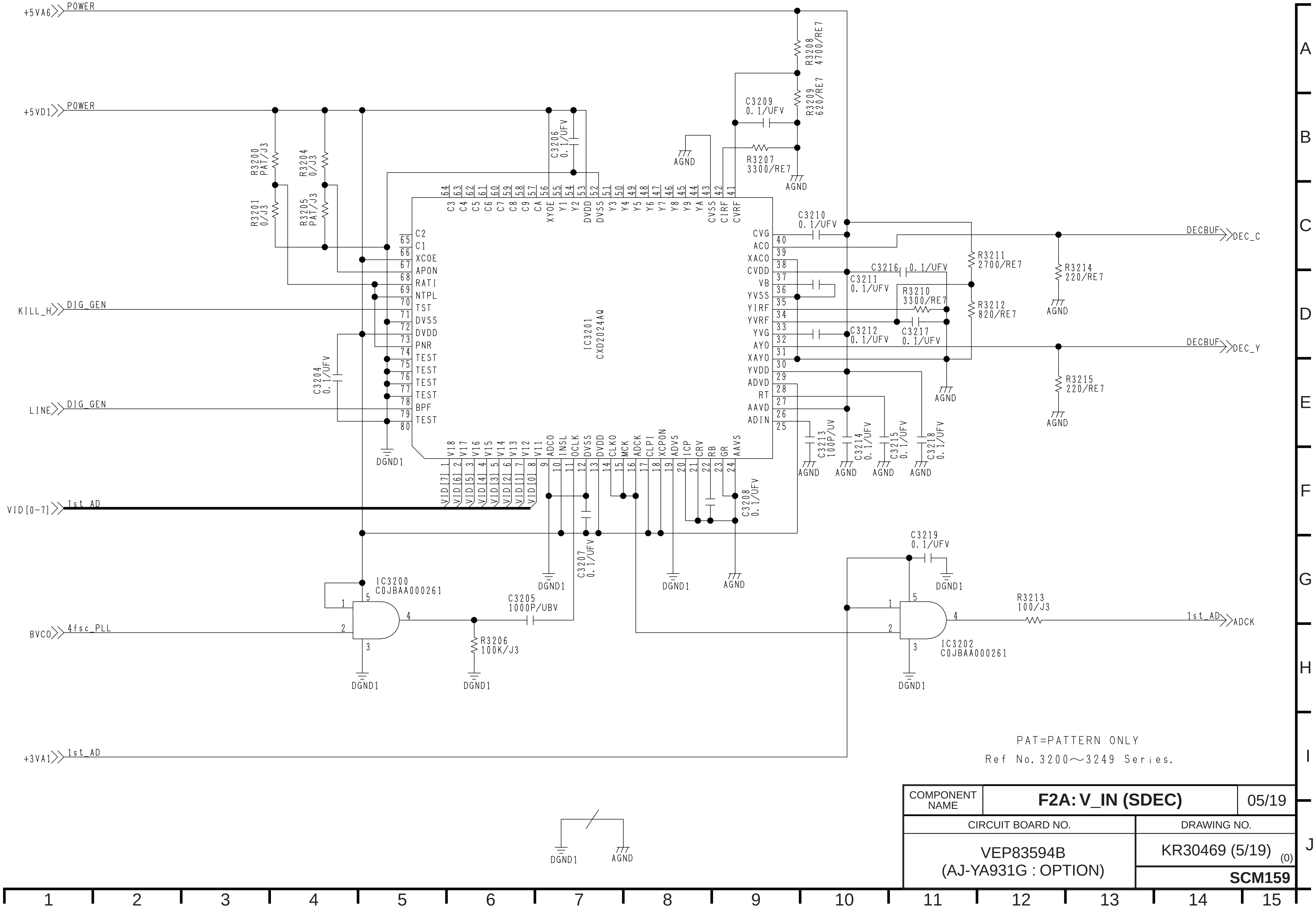
Ref No.3100～3149 Series.

COMPONENT NAME	F2A: V_IN (COMP_IN)	03/19
CIRCUIT BOARD NO.	DRAWING NO.	
VEP83594B (AJ-YA931G : OPTION)	KR30469 (3/19) (0) **SCM157**	


ADCK SDEC
+3VA1 POWER
+9VA1 POWER, DECBUF, CDEM
VIN COMP_IN
+5VA1 POWER, COMP_IN
CLP COMP_IN
-5VA1 POWER, COMP_IN
Q3150 2SD601A-TX
Q3151 2SC3130-TX
Q3153 2SD601A-TX
Q3154 2SD601A-TX
Q3155 2SD601A-TX
Q3152 2SB709A-TX
Q3156 2SK198-RTX
R3153 4700/J3
C3158 0.1/UFV
R3160 47/J3
R3166 47/J3
R3162 PAT/J3
C3162 PAT/UV
R3163 1000/J3
C3159 33P/UV
R3154 47/J3
R3157 8200/J3
R3161 PAT/J3
R3150 1500/J3
R3155 470/J3
R3165 1800/J3
R3169 1500/J3
R3172 100/J3
R3173 100/J3
C3157 0.1/UFV
R3167 1500/J3
R3156 1500/J3
R3168 1000/J3
C3163 0.1/UBV
R3171 100/J3
R3175 10K/J3
C3160 0.1/UBV
R3164 100/J3
R3151 390K/J3
R3152 330K/J3
C3152 16V47/EHB
IC3150 NJM064V-TE1
IC3151 NJM062V-TE1
R3176 560/RE7
C3165 0.1/UFV
R3177 1000/RE7
C3166 0.1/UFV
R3178 1300/RE7
R3179 13K/RE7
R3180 470/RE7
C3167 0.1/UFV
C3169 0.1/UFV
C3171 0.1/UFV
R3181 6800/J3
L3153 100U/LC
C3168 18P/UV
C3170 0.1/UFV
C3172 0.1/UFV
IC3152 C0FBAF000042 AK5430A
CKI OEN CEN AVDD AVSS VTP VREFP VCOM VREFN VBT VHALF AIN
D9 D8 D7 D6 D5 DVDD DVSS D4 D3 D2 D1 D0
C3173 0.1/UFV
C3174 0.1/UFV
C3175 0.1/UFV
C3176 0.1/UFV
C3177 0.1/UFV
C3179 0.1/UFV
D3150 MA143-GTX
L3155 100U/LC
C3180 0.1/UFV
C3182 6V47/EHB
IC3153 SN74AHCT244PWR
1A1 1A2 1A3 1A4 2A1 2A2 2A3 2A4 1Y1 1Y2 1Y3 1Y4 2Y1 2Y2 2Y3 2Y4 1G 2G
R3184 1000/J3
SDEC VID[0-7]
[7] [6] [5] [4] [3] [2] [1] [0]
+5VD1
C3184 0.1/UFV
IC3153 SN74AHCT244PWR
C3183 0.1/UFV
IC3154 C0JBAA000261 SN74AHC1G08DCKR
DIG_GEN SIGDET3
COMP_IN SIGDET
AGND
DGND1

PAT=PATTERN ONLY
Ref No. 3150～3199 Series.

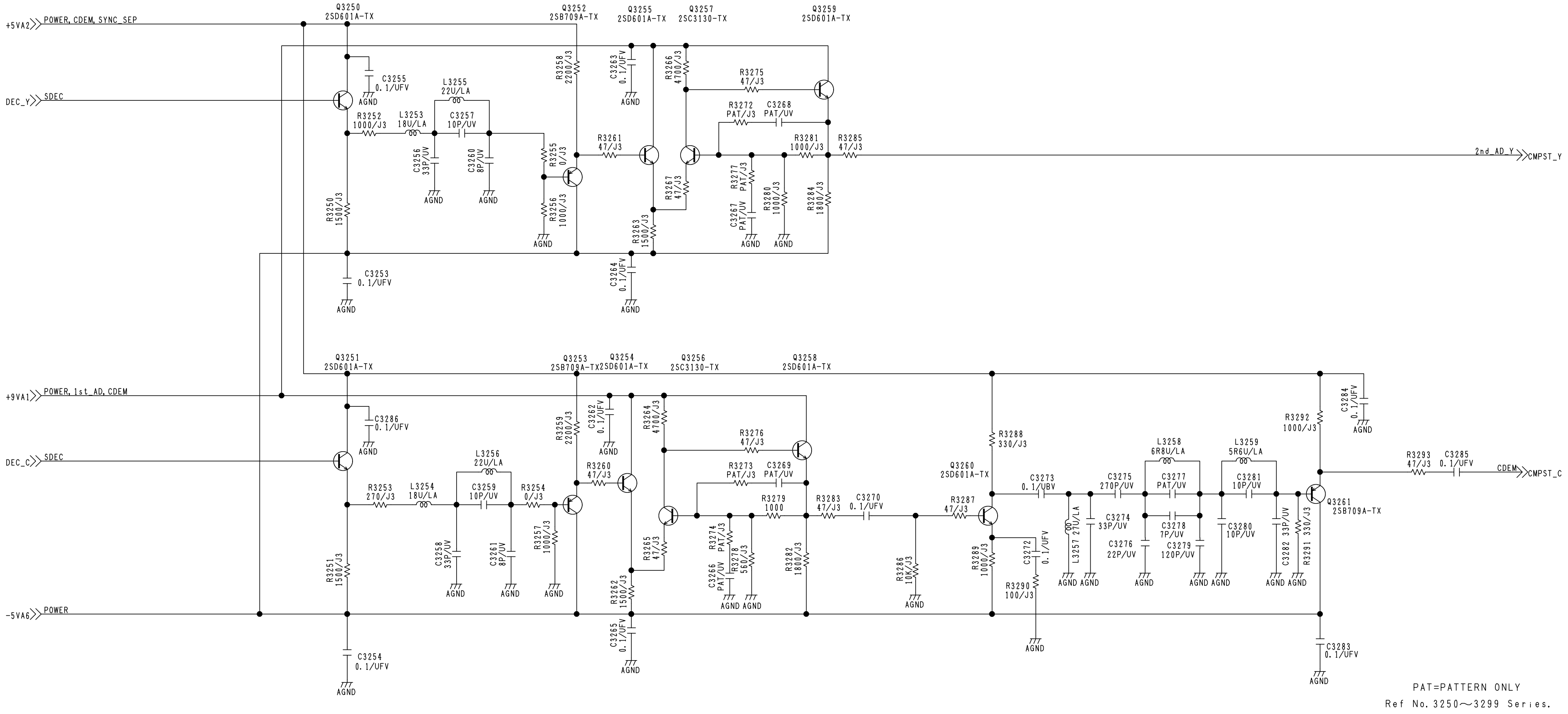
COMPONENT NAME	F2A: V_IN (1st_AD)	04/19
CIRCUIT BOARD NO.	DRAWING NO.	
VEP83594B (AJ-YA931G : OPTION)	KR30469 (4/19) (0) **SCM158**	


+5VA6
POWER
+5VD1
POWER
KILL_H
DIG_GEN
LINE
DIG_GEN
VID[0-7]
1st_AD
BVCO
4fsc_PLL
+3VA1
1st_AD
R3200 PAT/J3
R3201 0/J3
R3204 0/J3
R3205 PAT/J3
C3204 0.1/UFV
C3206 0.1/UFV
C3209 0.1/UFV
R3208 4700/RE7
R3209 620/RE7
R3207 3300/RE7
AGND
IC3201
CXD2024AQ
C2
65 C1
66 XCOE
67 APON
68 RATI
69 NTPL
70 TST
71 DVSS
72 DVDD
73 PNR
74 TEST
75 TEST
76 TEST
77 TEST
78 BPF
79 TEST
80
64 C3
63 C4
62 C5
61 C6
60 C7
59 C8
58 C9
57 CA
56 XYOE
55 Y1
54 Y2
53 DVDD
52 DVSS
51 Y3
50 Y4
49 Y5
48 Y6
47 Y7
46 Y8
45 Y9
44 YA
43 CVSS
42 CIRF
41 CVRF
CVG 40
ACO 39
XACO 38
CVDD 37
VB 36
YVSS 35
YIRF 34
YVRF 33
YVG 32
AYO 31
XAYO 30
YVDD 29
ADVD 28
RT 27
AAVD 26
ADIN 25
1 V18
2 V17
3 V16
4 V15
5 V14
6 V13
7 V12
8 V11
9 ADCO
10 INSL
11 OCLK
12 DVSS
13 DVDD
14 CLKO
15 MCK
16 ADCK
17 CLPI
18 XCPON
19 ADVS
20 ICP
21 CRV
22 RB
23 GR
24 AAVS
VID[7] VID[6] VID[5] VID[4] VID[3] VID[2] VID[1] VID[0]
DGND1
C3210 0.1/UFV
C3211 0.1/UFV
C3216 0.1/UFV
R3210 3300/RE7
C3212 0.1/UFV
C3217 0.1/UFV
R3211 2700/RE7
R3212 820/RE7
R3214 220/RE7
R3215 220/RE7
DECBUF
DEC_C
DECBUF
DEC_Y
C3213 100P/UV
C3214 0.1/UFV
C3215 0.1/UFV
C3218 0.1/UFV
C3208 0.1/UFV
C3207 0.1/UFV
IC3200
C0JBAA000261
C3205 1000P/UBV
R3206 100K/J3
C3219 0.1/UFV
IC3202
C0JBAA000261
R3213 100/J3
1st_AD
ADCK
A B C D E F G H I J
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

PAT=PATTERN ONLY

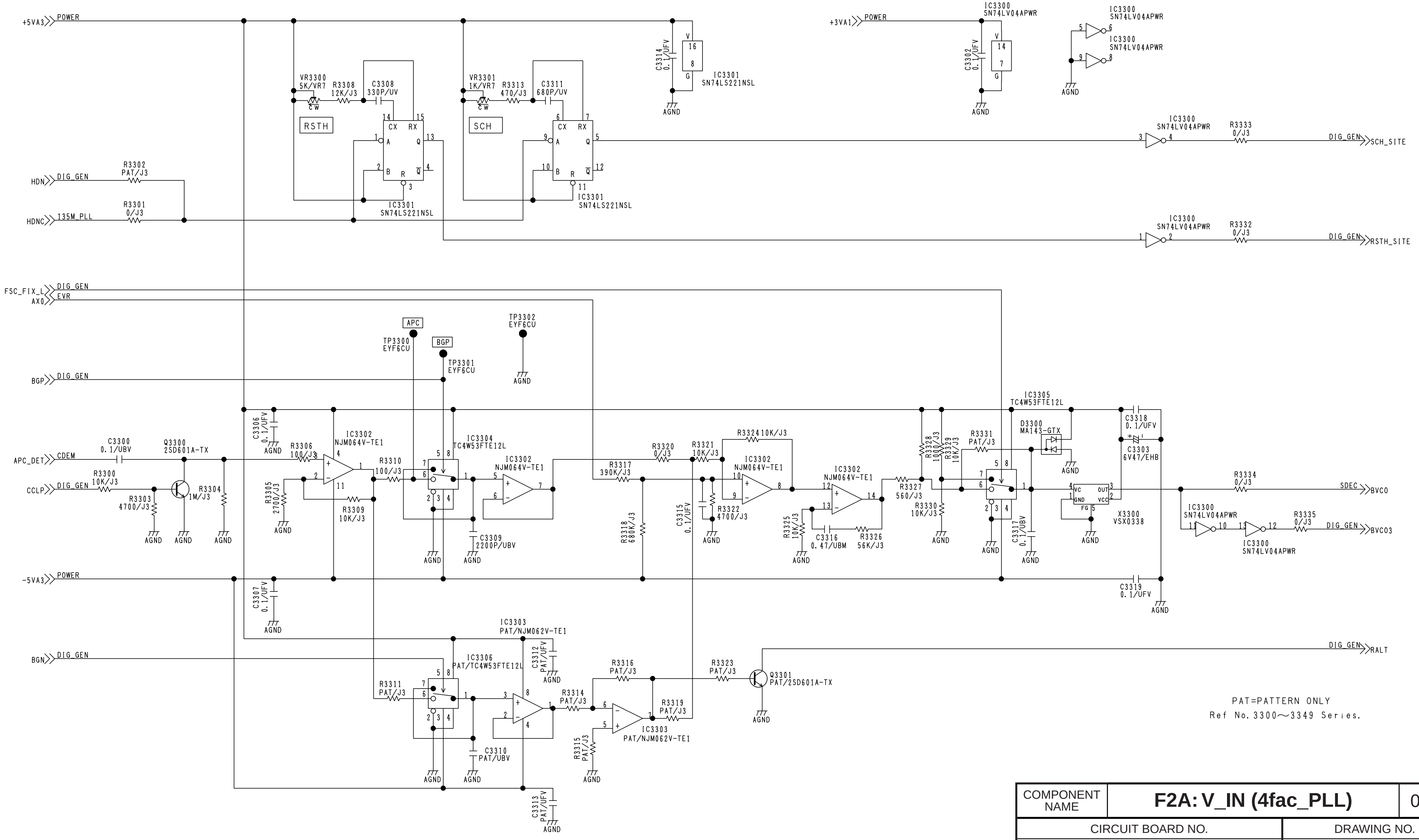
Ref No. 3200～3249 Series.

COMPONENT NAME	F2A: V_IN (SDEC)	05/19
CIRCUIT BOARD NO.	DRAWING NO.	
VEP83594B (AJ-YA931G : OPTION)	KR30469 (5/19) (0) SCM159	


+5VA2
POWER, CDEM, SYNC_SEP
Q3250
2SD601A-TX
Q3252
2SB709A-TX
Q3255
2SD601A-TX
Q3257
2SC3130-TX
Q3259
2SD601A-TX
C3255
0.1/UFV
DEC_Y
SDEC
L3255
22U/LA
R3258
2200/J3
C3263
0.1/UFV
R3266
4700/J3
R3275
47/J3
R3272
PAT/J3
C3268
PAT/UV
R3252
1000/J3
L3253
18U/LA
C3257
10P/UV
R3261
47/J3
R3281
1000/J3
R3285
47/J3
2nd_AD_Y
CMPST_Y
C3256
33P/UV
C3260
8P/UV
R3255
0/J3
R3267
47/J3
R3277
PAT/J3
R3250
1500/J3
R3256
1000/J3
R3263
1500/J3
C3267
PAT/UV
R3280
1000/J3
R3284
1800/J3
C3253
0.1/UFV
C3264
0.1/UFV
AGND
Q3251
2SD601A-TX
Q3253
2SB709A-TX
Q3254
2SD601A-TX
Q3256
2SC3130-TX
Q3258
2SD601A-TX
+9VA1
POWER, 1st_AD, CDEM
C3286
0.1/UFV
R3259
2200/J3
C3262
0.1/UFV
R3264
4700/J3
R3276
47/J3
DEC_C
SDEC
L3256
22U/LA
R3260
47/J3
R3273
PAT/J3
C3269
PAT/UV
R3253
270/J3
L3254
18U/LA
C3259
10P/UV
R3254
0/J3
R3279
1000
R3283
47/J3
C3270
0.1/UFV
R3287
47/J3
Q3260
2SD601A-TX
R3288
330/J3
R3292
1000/J3
C3284
0.1/UFV
C3273
0.1/UBV
C3275
270P/UV
L3258
6R8U/LA
C3277
PAT/UV
L3259
5R6U/LA
C3281
10P/UV
R3293
47/J3
C3285
0.1/UFV
CDEM
CMPST_C
Q3261
2SB709A-TX
C3258
33P/UV
C3261
8P/UV
R3257
1000/J3
R3265
47/J3
R3274
PAT/J3
R3278
560/J3
C3266
PAT/UV
R3282
1800/J3
R3286
10K/J3
R3289
1000/J3
C3272
0.1/UFV
L3257 27U/LA
C3274
33P/UV
C3276
22P/UV
C3278
7P/UV
C3279
120P/UV
C3280
10P/UV
C3282 33P/UV
R3291 330/J3
R3251
1500/J3
R3262
1500/J3
R3290
100/J3
-5VA6
POWER
C3254
0.1/UFV
C3265
0.1/UFV
C3283
0.1/UFV

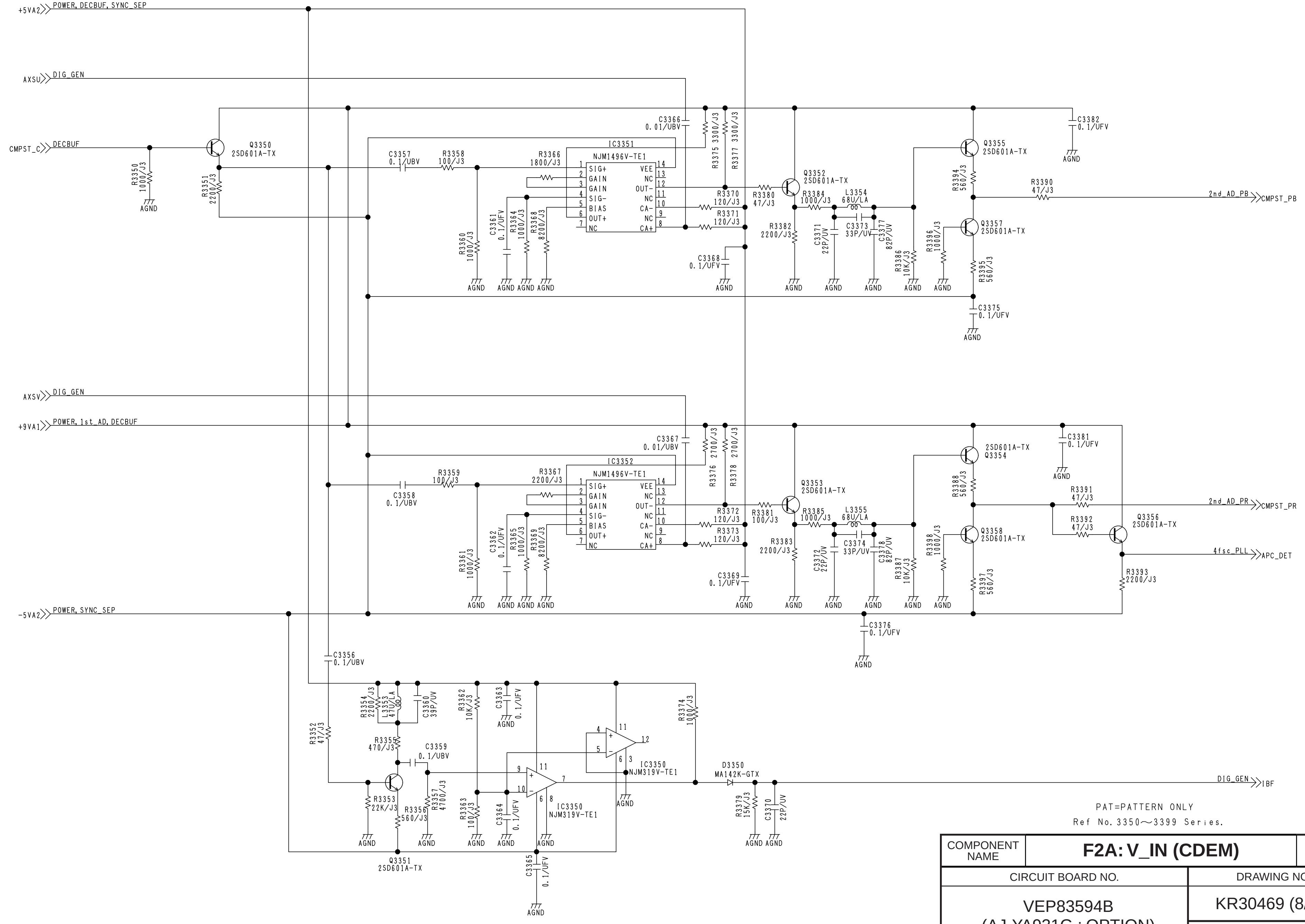
PAT=PATTERN ONLY
Ref No. 3250～3299 Series.

COMPONENT NAME	F2A: V_IN (DECBUF)	06/19
CIRCUIT BOARD NO.	DRAWING NO.	
VEP83594B (AJ-YA931G : OPTION)	KR30469 (6/19) (0) **SCM160**	


+5VA3 POWER
+3VA1 POWER
-5VA3 POWER
HDN DIG_GEN
HDNC 135M_PLL
FSC_FIX_L DIG_GEN
AX0 EVR
BGP DIG_GEN
APC_DET CDEM
CCLP DIG_GEN
BGN DIG_GEN
R3302 PAT/J3
R3301 0/J3
VR3300 5K/VR7
R3308 12K/J3
C3308 330P/UV
RSTH
IC3301 SN74LS221NSL
VR3301 1K/VR7
R3313 470/J3
C3311 680P/UV
SCH
C3314 0.1/UFV
IC3300 SN74LV04APWR
C3302 0.1/UFV
AGND
R3333 0/J3
DIG_GEN SCH_SITE
R3332 0/J3
DIG_GEN RSTH_SITE
APC
TP3300 EYF6CU
BGP
TP3301 EYF6CU
TP3302 EYF6CU
C3300 0.1/UBV
Q3300 2SD601A-TX
R3300 10K/J3
R3303 4700/J3
R3304 1M/J3
C3306 0.1/UFV
R3306 100/J3
IC3302 NJM064V-TE1
R3305 2700/J3
R3309 10K/J3
R3310 100/J3
IC3304 TC4W53FTE12L
C3309 2200P/UBV
R3317 390K/J3
R3318 680K/J3
R3320 0/J3
R3321 10K/J3
C3315 0.1/UFV
R3322 4700/J3
R3324 10K/J3
R3325 10K/J3
C3316 0.47/UBM
R3326 56K/J3
R3327 560/J3
R3328 1000/J3
R3329 10K/J3
R3330 10K/J3
R3331 PAT/J3
IC3305 TC4W53FTE12L
D3300 MA143-GTX
C3317 0.1/UBV
C3318 0.1/UFV
C3303 6V47/EHB
X3300 VSX0338
R3334 0/J3
SDEC BVCO
R3335 0/J3
DIG_GEN BVCO3
C3319 0.1/UFV
C3307 0.1/UFV
IC3303 PAT/NJM062V-TE1
C3312 PAT/UFV
IC3306 PAT/TC4W53FTE12L
R3311 PAT/J3
C3310 PAT/UBV
R3314 PAT/J3
R3315 PAT/J3
R3316 PAT/J3
R3319 PAT/J3
R3323 PAT/J3
Q3301 PAT/2SD601A-TX
DIG_GEN RALT
C3313 PAT/UFV

PAT=PATTERN ONLY
Ref No.3300～3349 Series.

COMPONENT NAME	F2A: V_IN (4fac_PLL)	07/19
CIRCUIT BOARD NO.	DRAWING NO.	
VEP83594B (AJ-YA931G : OPTION)	KR30469 (7/19) (0) **SCM161**	


+5VA2
POWER, DECBUF, SYNC_SEP
AXSU
DIG_GEN
CMPST_C
DECBUF
R3350 1000/J3
AGND
Q3350 2SD601A-TX
R3351 2200/J3
C3357 0.1/UBV
R3358 100/J3
R3366 1800/J3
IC3351 NJM1496V-TE1
SIG+ GAIN GAIN SIG- BIAS OUT+ NC
VEE NC OUT- NC CA- NC CA+
R3360 1000/J3
C3361 0.1/UFV
R3364 1000/J3
R3368 8200/J3
C3366 0.01/UBV
R3375 3300/J3
R3377 3300/J3
R3370 120/J3
R3371 120/J3
C3368 0.1/UFV
R3380 47/J3
Q3352 2SD601A-TX
R3382 2200/J3
R3384 1000/J3
L3354 68U/LA
C3371 22P/UV
C3373 33P/UV
C3377 82P/UV
R3386 10K/J3
Q3355 2SD601A-TX
R3394 560/J3
Q3357 2SD601A-TX
R3396 1000/J3
R3395 560/J3
C3382 0.1/UFV
R3390 47/J3
2nd_AD_PB
CMPST_PB
C3375 0.1/UFV
AXSV
DIG_GEN
+9VA1
POWER, 1st_AD, DECBUF
C3358 0.1/UBV
R3359 100/J3
R3367 2200/J3
IC3352 NJM1496V-TE1
R3361 1000/J3
C3362 0.1/UFV
R3365 1000/J3
R3369 8200/J3
C3367 0.01/UBV
R3376 2700/J3
R3378 2700/J3
R3372 120/J3
R3373 120/J3
C3369 0.1/UFV
R3381 100/J3
Q3353 2SD601A-TX
R3383 2200/J3
R3385 1000/J3
L3355 68U/LA
C3372 22P/UV
C3374 33P/UV
C3378 82P/UV
R3387 10K/J3
2SD601A-TX Q3354
R3388 560/J3
Q3358 2SD601A-TX
R3398 1000/J3
R3397 560/J3
C3381 0.1/UFV
R3391 47/J3
R3392 47/J3
Q3356 2SD601A-TX
2nd_AD_PR
CMPST_PR
4fsc_PLL
APC_DET
R3393 2200/J3
-5VA2
POWER, SYNC_SEP
C3376 0.1/UFV
C3356 0.1/UBV
R3352 47/J3
R3354 2200/J3
L3353 47U/LA
C3360 39P/UV
R3355 470/J3
C3359 0.1/UBV
R3353 22K/J3
R3356 560/J3
R3357 4700/J3
Q3351 2SD601A-TX
R3362 10K/J3
C3363 0.1/UFV
R3363 100/J3
C3364 0.1/UFV
IC3350 NJM319V-TE1
C3365 0.1/UFV
R3374 1000/J3
D3350 MA142K-GTX
R3379 15K/J3
C3370 22P/UV
DIG_GEN
IBF
A
B
C
D
E
F
G
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I
J
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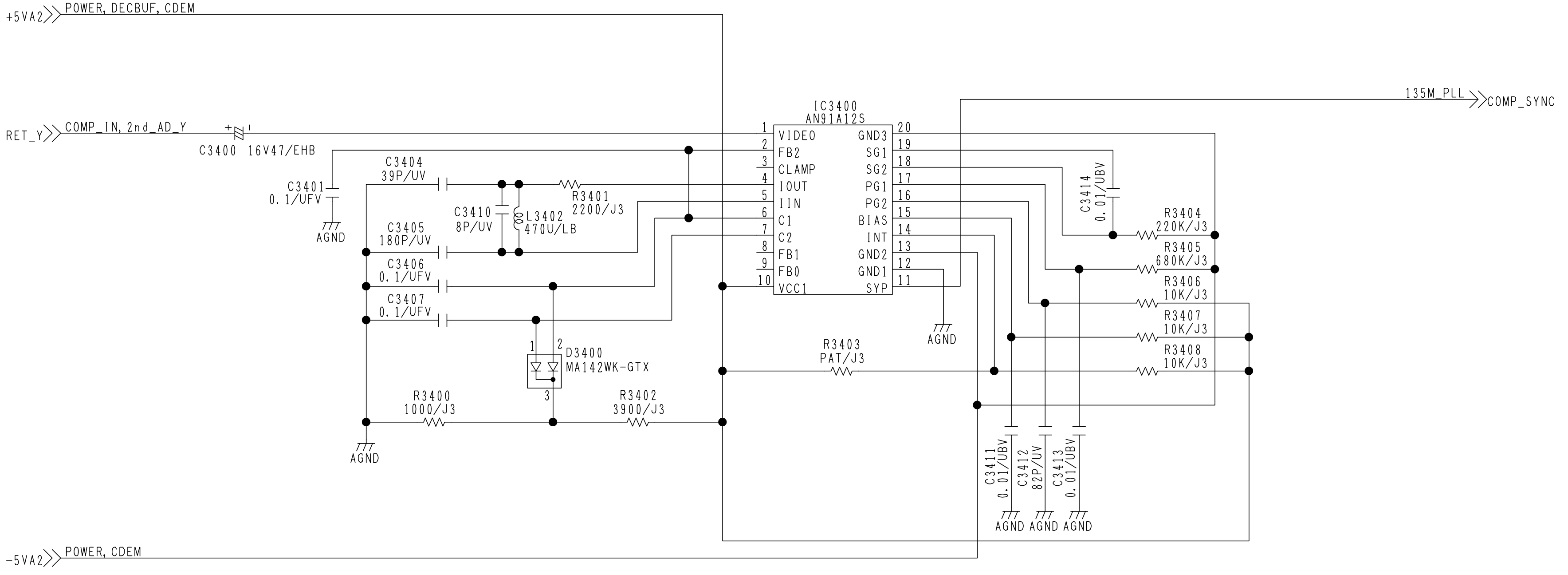
PAT=PATTERN ONLY

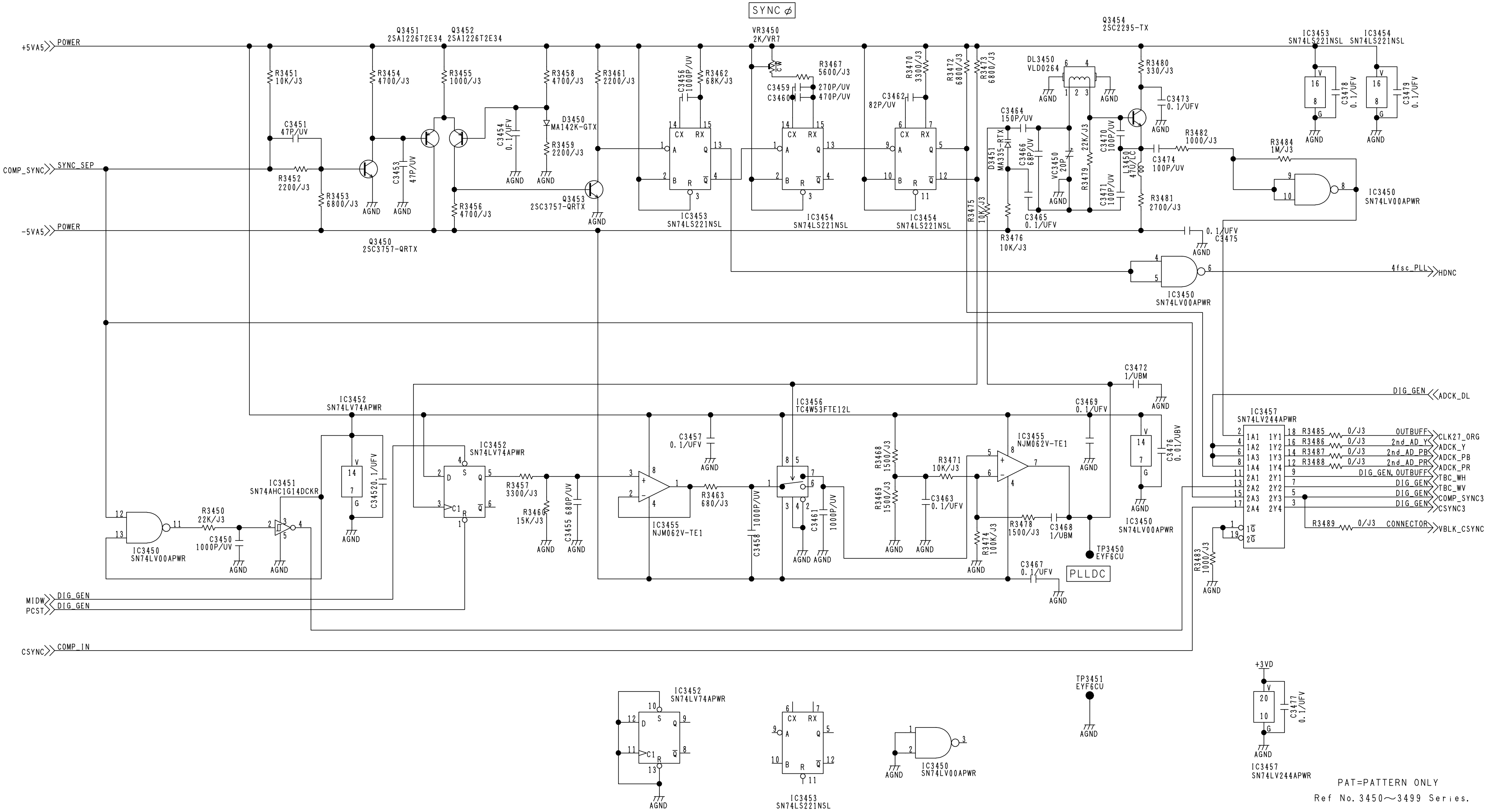
Ref No.3350〜3399 Series.

COMPONENT NAME	F2A: V_IN (CDEM)	08/19
CIRCUIT BOARD NO.	DRAWING NO.	
VEP83594B (AJ-YA931G : OPTION)	KR30469 (8/19) (0)	
	SCM162	

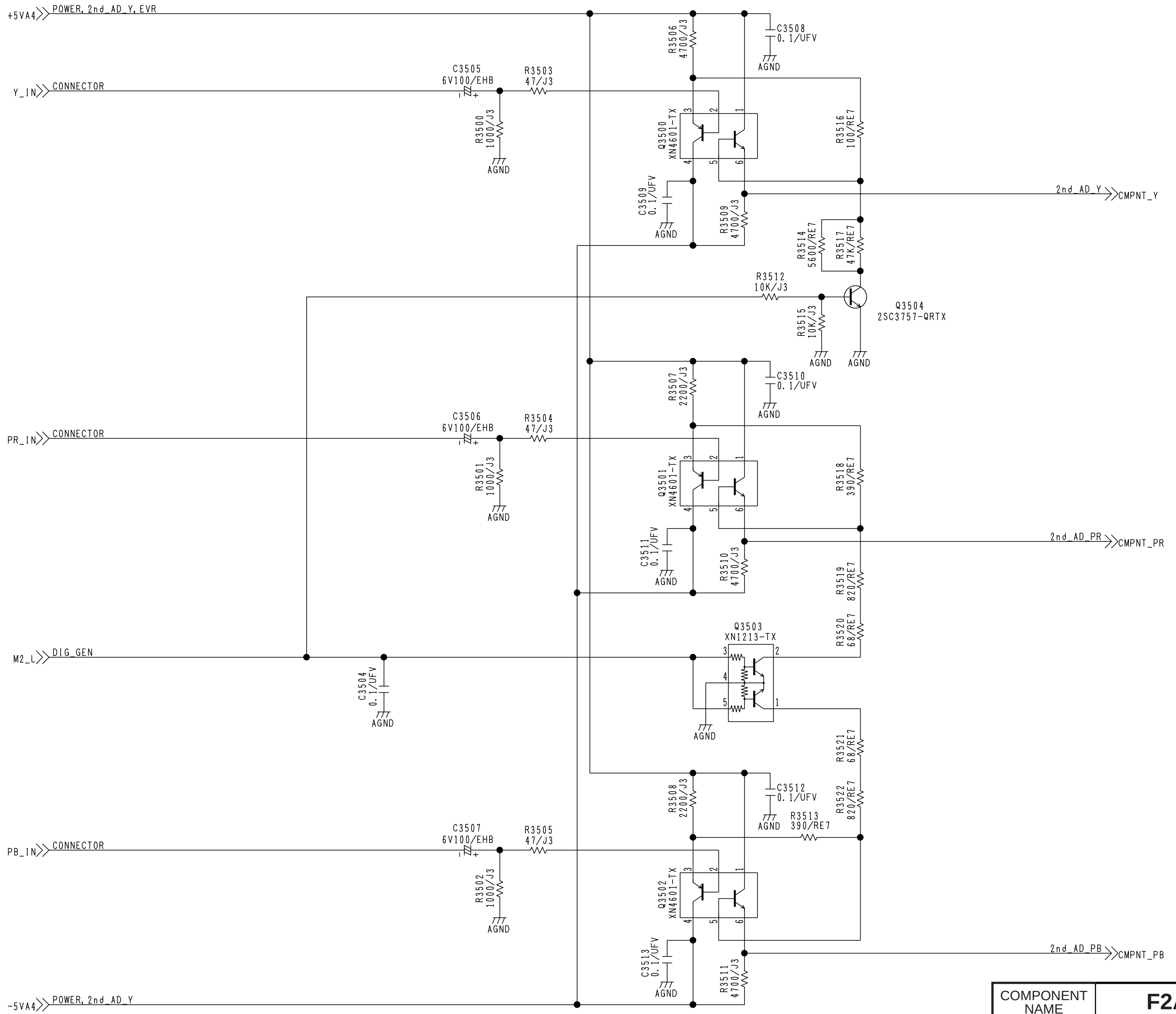

+5VA2
POWER, DECBUF, CDEM
RET_Y
COMP_IN, 2nd_AD_Y
C3400 16V47/EHB
-5VA2
POWER, CDEM
135M_PLL
COMP_SYNC
IC3400
AN91A12S
1 VIDEO
2 FB2
3 CLAMP
4 IOUT
5 IIN
6 C1
7 C2
8 FB1
9 FB0
10 VCC1
20 GND3
19 SG1
18 SG2
17 PG1
16 PG2
15 BIAS
14 INT
13 GND2
12 GND1
11 SYP
C3401 0.1/UFV
C3404 39P/UV
C3405 180P/UV
C3406 0.1/UFV
C3407 0.1/UFV
C3410 8P/UV
L3402 470U/LB
R3401 2200/J3
D3400 MA142WK-GTX
R3400 1000/J3
R3402 3900/J3
R3403 PAT/J3
C3414 0.01/UBV
R3404 220K/J3
R3405 680K/J3
R3406 10K/J3
R3407 10K/J3
R3408 10K/J3
C3411 0.01/UBV
C3412 82P/UV
C3413 0.01/UBV
AGND

PAT=PATTERN ONLY
Ref No.3400～3449 Series.

COMPONENT NAME	F2A: V_IN (SYNC_SEP)	09/19
CIRCUIT BOARD NO.	DRAWING NO.	
VEP83594B (AJ-YA931G : OPTION)	KR30469 (9/19) (0) SCM163	


SYNC φ
+5VA5 POWER
COMP_SYNC SYNC_SEP
-5VA5 POWER
MIDW DIG_GEN
PCST DIG_GEN
CSYNC COMP_IN
Q3451 2SA1226T2E34
Q3452 2SA1226T2E34
Q3450 2SC3757-QRTX
Q3453 2SC3757-QRTX
Q3454 2SC2295-TX
VR3450 2K/VR7
D3450 MA142K-GTX
D3451 MA335-RTX
DL3450 VLD0264
VC3450 20P
L3450 470UL0
R3451 10K/J3
R3452 2200/J3
R3453 6800/J3
R3454 4700/J3
R3455 1000/J3
R3456 4700/J3
R3458 4700/J3
R3459 2200/J3
R3461 2200/J3
R3462 68K/J3
R3467 5600/J3
R3470 3300/J3
R3472 6800/J3
R3473 6800/J3
R3475 10K/J3
R3476 10K/J3
R3479 22K/J3
R3480 330/J3
R3481 2700/J3
R3482 1000/J3
R3484 1M/J3
C3451 47P/UV
C3453 47P/UV
C3454 0.1/UFV
C3456 1000P/UV
C3459 270P/UV
C3460 470P/UV
C3462 82P/UV
C3464 150P/UV
C3465 0.1/UFV
C3466 68P/UV
C3470 100P/UV
C3471 100P/UV
C3473 0.1/UFV
C3474 100P/UV
C3475 0.1/UFV
C3478 0.1/UFV
C3479 0.1/UFV
IC3453 SN74LS221NSL
IC3454 SN74LS221NSL
IC3450 SN74LV00APWR
4fsc_PLL HDNC
IC3452 SN74LV74APWR
IC3451 SN74AHC1G14DCKR
IC3455 NJM062V-TE1
IC3456 TC4W53FTE12L
IC3457 SN74LV244APWR
R3450 22K/J3
C3450 1000P/UV
C3452 0.1/UFV
R3457 3300/J3
R3460 15K/J3
C3455 680P/UV
C3457 0.1/UFV
R3463 680/J3
C3458 1000P/UV
C3461 1000P/UV
R3468 1500/J3
R3469 1500/J3
C3463 0.1/UFV
R3471 10K/J3
R3474 100K/J3
R3478 1500/J3
C3468 1/UBM
C3467 0.1/UFV
C3469 0.1/UFV
C3472 1/UBM
C3476 0.01/UBV
TP3450 EYF6CU
PLLDC
R3483 1000/J3
R3485 0/J3 OUTBUFF CLK27_ORG
R3486 0/J3 2nd_AD_Y ADCK_Y
R3487 0/J3 2nd_AD_PB ADCK_PB
R3488 0/J3 2nd_AD_PR ADCK_PR
DIG_GEN, OUTBUFF TBC_WH
DIG_GEN TBC_WV
DIG_GEN COMP_SYNC3
DIG_GEN CSYNC3
R3489 0/J3 CONNECTOR VBLK_CSYNC
DIG_GEN ADCK_DL
AGND
TP3451 EYF6CU
+3VD
C3477 0.1/UFV
PAT=PATTERN ONLY
Ref No.3450～3499 Series.

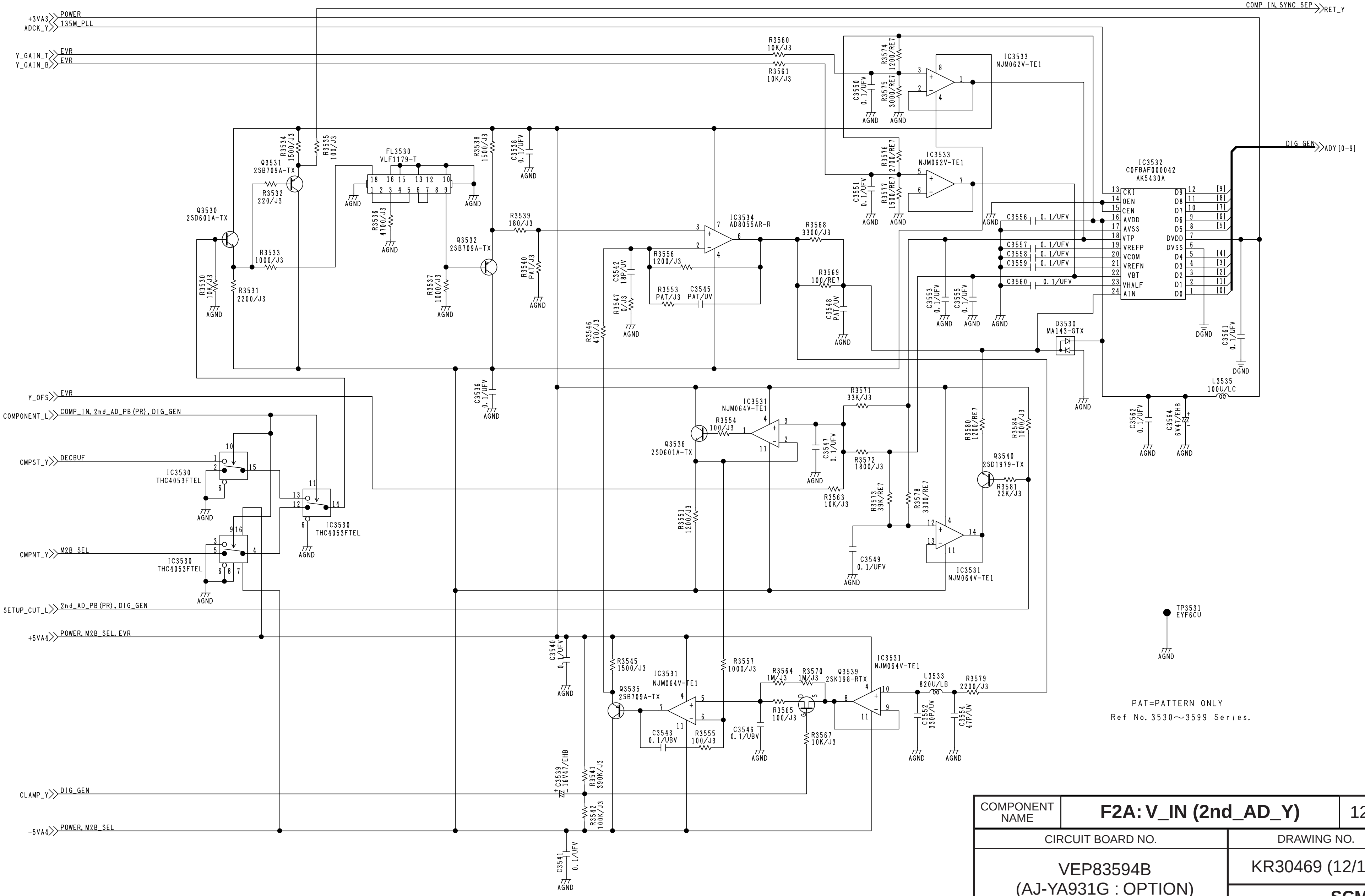
COMPONENT NAME	F2A: V_IN (135M_PLL)	10/19
CIRCUIT BOARD NO.	DRAWING NO.	
VEP83594B (AJ-YA931G : OPTION)	KR30469 (10/19) (0)	
	SCM164	


+5VA4
POWER, 2nd_AD_Y, EVR
Y_IN
CONNECTOR
C3505
6V100/EHB
R3503
47/J3
R3500
1000/J3
AGND
R3506
4700/J3
C3508
0.1/UFV
Q3500
XN4601-TX
R3516
100/RE7
2nd_AD_Y
CMPNT_Y
C3509
0.1/UFV
R3509
4700/J3
R3514
5600/RE7
R3517
47K/RE7
R3512
10K/J3
R3515
10K/J3
Q3504
2SC3757-QRTX
R3507
2200/J3
C3510
0.1/UFV
PR_IN
CONNECTOR
C3506
6V100/EHB
R3504
47/J3
R3501
1000/J3
Q3501
XN4601-TX
R3518
390/RE7
2nd_AD_PR
CMPNT_PR
C3511
0.1/UFV
R3510
4700/J3
R3519
820/RE7
R3520
68/RE7
Q3503
XN1213-TX
M2_L
DIG_GEN
C3504
0.1/UFV
R3521
68/RE7
R3508
2200/J3
C3512
0.1/UFV
R3522
820/RE7
R3513
390/RE7
PB_IN
CONNECTOR
C3507
6V100/EHB
R3505
47/J3
R3502
1000/J3
Q3502
XN4601-TX
2nd_AD_PB
CMPNT_PB
C3513
0.1/UFV
R3511
4700/J3
-5VA4
POWER, 2nd_AD_Y

PAT=PATTERN ONLY

Ref No. 3500～3529 Series.

COMPONENT NAME	**F2A: V_IN (M2B_SEL)**	11/19
CIRCUIT BOARD NO.	DRAWING NO.	
VEP83594B (AJ-YA931G : OPTION)	KR30469 (11/19) (0) **SCM165**	


+3VA3
ADCK_Y
POWER
135M_PLL
COMP_IN, SYNC_SEP
RET_Y
Y_GAIN_T
Y_GAIN_B
EVR
R3560 10K/J3
R3561 10K/J3
R3574 1200/RE7
R3575 3000/RE7
C3550 0.1/UFV
IC3533 NJM062V-TE1
R3576 2700/RE7
R3577 1500/RE7
C3551 0.1/UFV
DIG_GEN
ADY[0-9]
IC3532 C0FBAF000042 AK5430A
CKI
OEN
CEN
AVDD
AVSS
VTP
VREFP
VCOM
VREFN
VBT
VHALF
AIN
D9
D8
D7
D6
D5
DVDD
DVSS
D4
D3
D2
D1
D0
C3556 0.1/UFV
C3557 0.1/UFV
C3558 0.1/UFV
C3559 0.1/UFV
C3560 0.1/UFV
R3534 1500/J3
R3535 100/J3
Q3531 2SB709A-TX
R3532 220/J3
FL3530 VLF1179-T
R3538 1500/J3
C3538 0.1/UFV
Q3530 2SD601A-TX
R3533 1000/J3
R3530 10K/J3
R3531 2200/J3
R3536 4700/J3
Q3532 2SB709A-TX
R3537 1000/J3
R3539 180/J3
R3540 PAT/J3
IC3534 AD8055AR-R
R3568 3300/J3
R3569 100/RE7
C3548 PAT/UV
R3556 1200/J3
R3553 PAT/J3
C3545 PAT/UV
C3542 18P/UV
R3547 0/J3
R3546 470/J3
C3553 0.1/UFV
C3555 0.1/UFV
D3530 MA143-GTX
C3561 0.1/UFV
L3535 100U/LC
C3562 0.1/UFV
C3564 6V47/EHB
DGND
AGND
Y_OFS
COMPONENT_L
COMP_IN, 2nd_AD_PB(PR), DIG_GEN
CMPST_Y
DECBUF
IC3530 THC4053FTEL
CMPNT_Y
M2B_SEL
SETUP_CUT_L
2nd_AD_PB(PR), DIG_GEN
+5VA4
POWER, M2B_SEL, EVR
CLAMP_Y
DIG_GEN
-5VA4
POWER, M2B_SEL
C3536 0.1/UFV
IC3531 NJM064V-TE1
R3554 100/J3
Q3536 2SD601A-TX
R3571 33K/J3
C3547 0.1/UFV
R3572 1800/J3
R3563 10K/J3
R3551 1200/J3
R3573 39K/RE7
R3578 3300/RE7
R3580 1200/RE7
R3584 1000/J3
Q3540 2SD1979-TX
R3581 22K/J3
C3549 0.1/UFV
TP3531 EYF6CU
C3540 0.1/UFV
R3545 1500/J3
Q3535 2SB709A-TX
R3557 1000/J3
C3543 0.1/UBV
R3555 100/J3
C3546 0.1/UBV
R3564 1M/J3
R3570 1M/J3
Q3539 2SK198-RTX
R3565 100/J3
R3567 10K/J3
L3533 820U/LB
R3579 2200/J3
C3552 330P/UV
C3554 47P/UV
C3539 16V47/EHB
R3541 390K/J3
R3542 100K/J3
C3541 0.1/UFV
A
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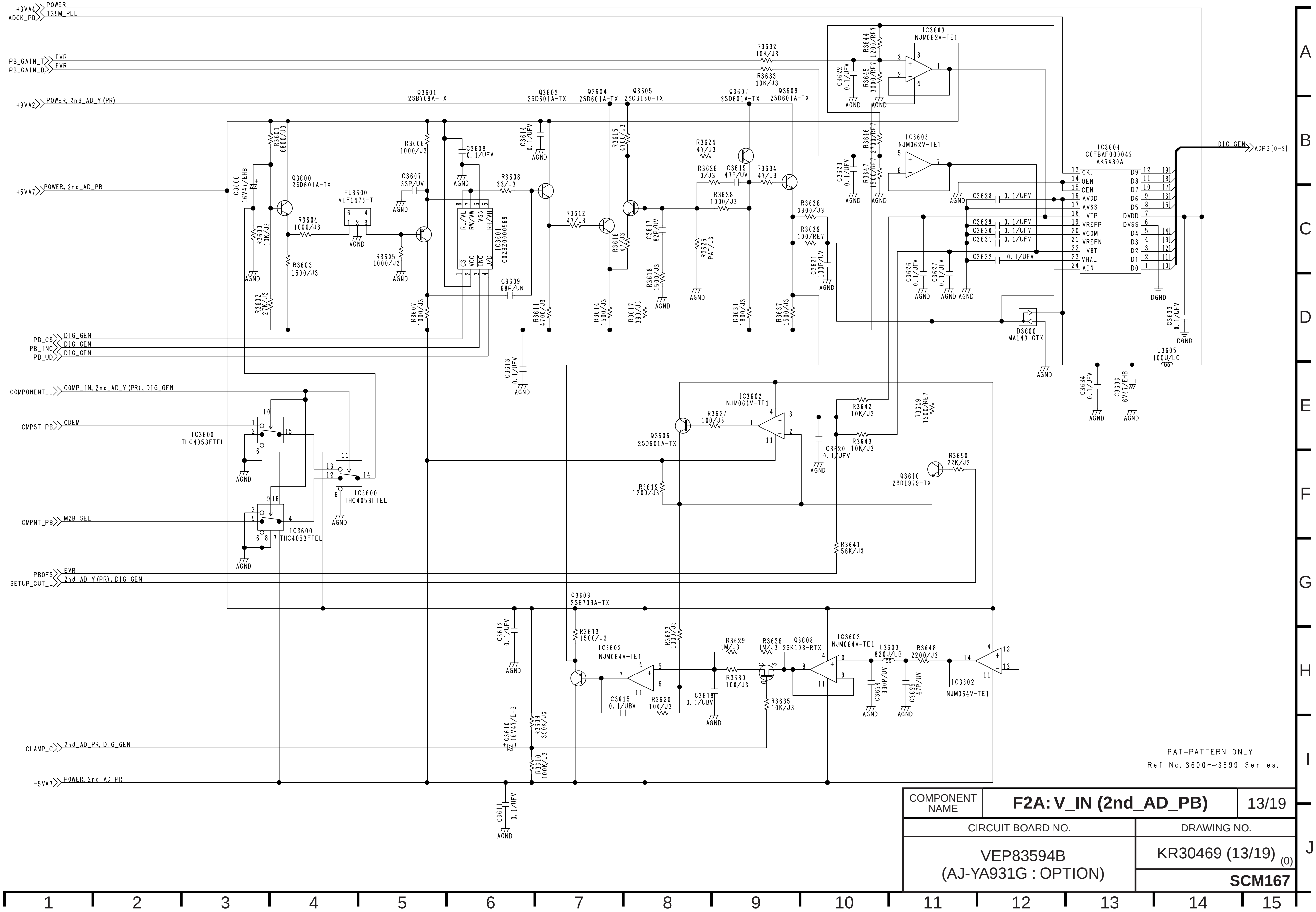
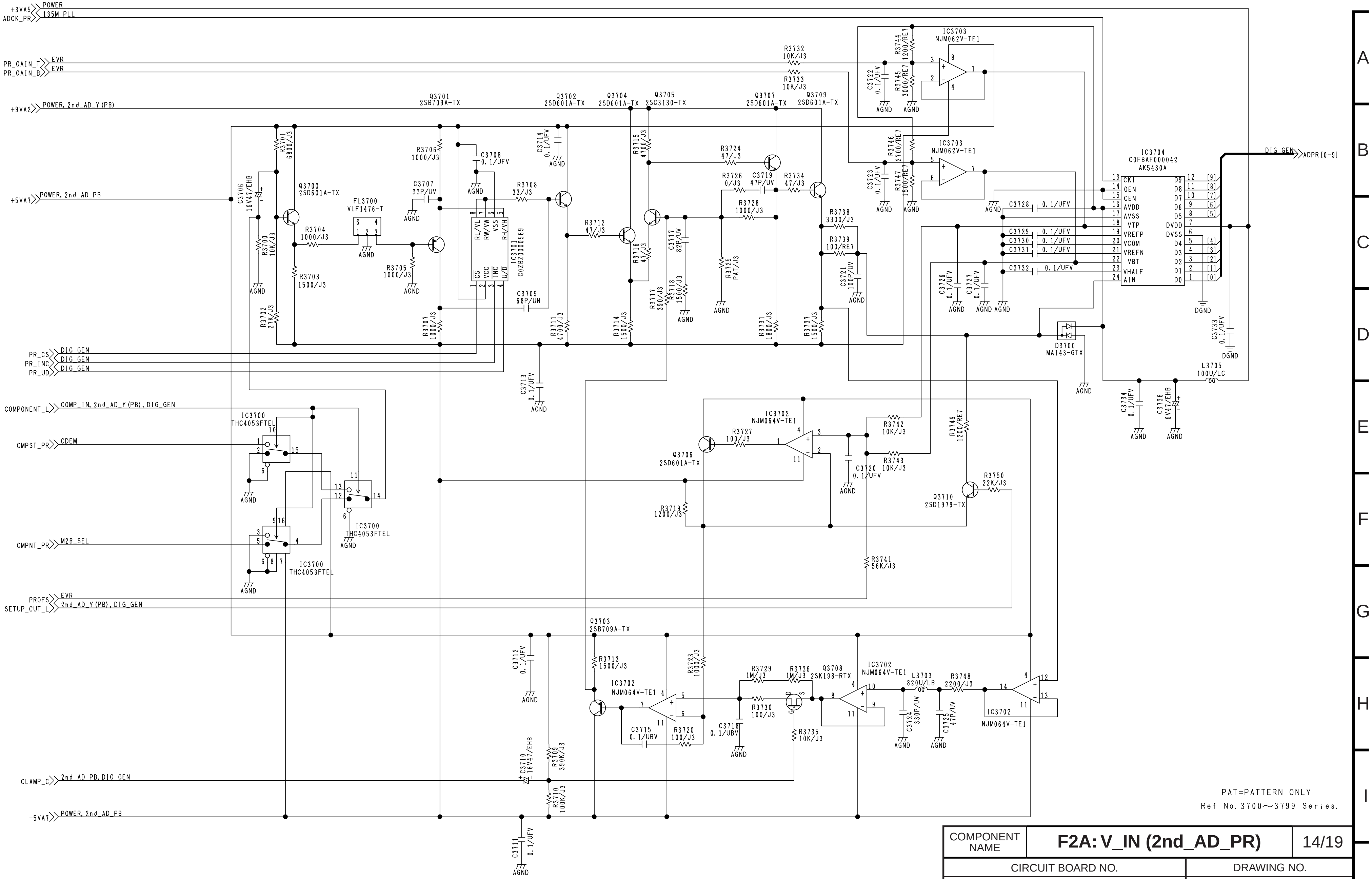
PAT=PATTERN ONLY

Ref No.3530～3599 Series.

COMPONENT NAME	**F2A: V_IN (2nd_AD_Y)**	12/19
CIRCUIT BOARD NO.	DRAWING NO.	
VEP83594B (AJ-YA931G : OPTION)	KR30469 (12/19) (0)	
	SCM166	

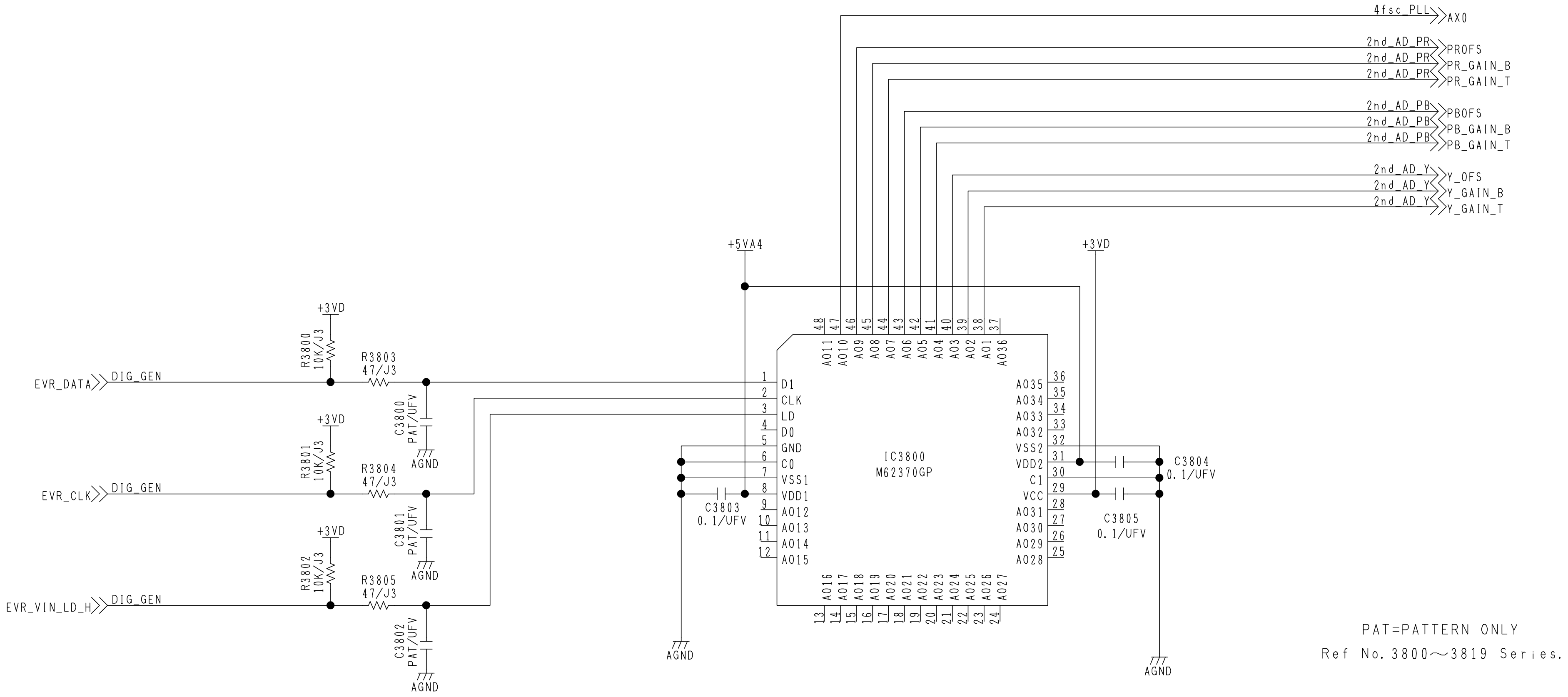

+3VA4
ADCK_PB
POWER
135M_PLL
PB_GAIN_T
PB_GAIN_B
EVR
+9VA2
POWER, 2nd_AD_Y(PR)
+5VA7
POWER, 2nd_AD_PR
PB_CS
PB_INC
PB_UD
DIG_GEN
COMPONENT_L
COMP_IN, 2nd_AD_Y(PR), DIG_GEN
CMPST_PB
CDEM
CMPNT_PB
M2B_SEL
PBOFS
SETUP_CUT_L
2nd_AD_Y(PR), DIG_GEN
CLAMP_C
2nd_AD_PR, DIG_GEN
-5VA7
POWER, 2nd_AD_PR
DIG_GEN
ADPB[0-9]
Q3601 2SB709A-TX
Q3602 2SD601A-TX
Q3604 2SD601A-TX
Q3605 2SC3130-TX
Q3607 2SD601A-TX
Q3609 2SD601A-TX
Q3600 2SD601A-TX
Q3606 2SD601A-TX
Q3610 2SD1979-TX
Q3603 2SB709A-TX
Q3608 2SK198-RTX
FL3600 VLF1476-T
IC3601 C0ZBZ0000569
IC3600 THC4053FTEL
IC3602 NJM064V-TE1
IC3603 NJM062V-TE1
IC3604 C0FBAF000042 AK5430A
D3600 MA143-GTX
L3603 820U/LB
L3605 100U/LC
R3601 6800/J3
R3600 10K/J3
R3602 27K/J3
R3603 1500/J3
R3604 1000/J3
R3605 1000/J3
R3606 1000/J3
R3607 1000/J3
R3608 33/J3
R3609 390K/J3
R3610 100K/J3
R3611 4700/J3
R3612 47/J3
R3613 1500/J3
R3614 1500/J3
R3615 4700/J3
R3616 47/J3
R3617 390/J3
R3618 1500/J3
R3619 1200/J3
R3620 100/J3
R3623 1000/J3
R3624 47/J3
R3625 PAT/J3
R3626 0/J3
R3627 100/J3
R3628 1000/J3
R3629 1M/J3
R3630 100/J3
R3631 1800/J3
R3632 10K/J3
R3633 10K/J3
R3634 47/J3
R3635 10K/J3
R3636 1M/J3
R3637 1500/J3
R3638 3300/J3
R3639 100/RE7
R3641 56K/J3
R3642 10K/J3
R3643 10K/J3
R3644 1200/RE7
R3645 3000/RE7
R3646 2700/RE7
R3647 1500/RE7
R3648 2200/J3
R3649 1200/RE7
R3650 22K/J3
C3606 16V47/EHB
C3607 33P/UV
C3608 0.1/UFV
C3609 68P/UN
C3610 16V47/EHB
C3611 0.1/UFV
C3612 0.1/UFV
C3613 0.1/UFV
C3614 0.1/UFV
C3615 0.1/UBV
C3617 82P/UV
C3618 0.1/UBV
C3619 47P/UV
C3620 0.1/UFV
C3621 100P/UV
C3622 0.1/UFV
C3623 0.1/UFV
C3624 330P/UV
C3625 47P/UV
C3626 0.1/UFV
C3627 0.1/UFV
C3628 0.1/UFV
C3629 0.1/UFV
C3630 0.1/UFV
C3631 0.1/UFV
C3632 0.1/UFV
C3633 0.1/UFV
C3634 0.1/UFV
C3636 6V47/EHB
CKI OEN CEN AVDD AVSS VTP VREFP VCOM VREFN VBT VHALF AIN
D9 D8 D7 D6 D5 DVDD DVSS D4 D3 D2 D1 D0
CS VCC INC U/D RL/VL RW/VW VSS RH/VH
AGND
DGND
PAT=PATTERN ONLY
Ref No. 3600～3699 Series.
A B C D E F G H I J
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

COMPONENT NAME	F2A: V_IN (2nd_AD_PB)	13/19
CIRCUIT BOARD NO.	DRAWING NO.	
VEP83594B (AJ-YA931G : OPTION)	KR30469 (13/19) (0) **SCM167**	

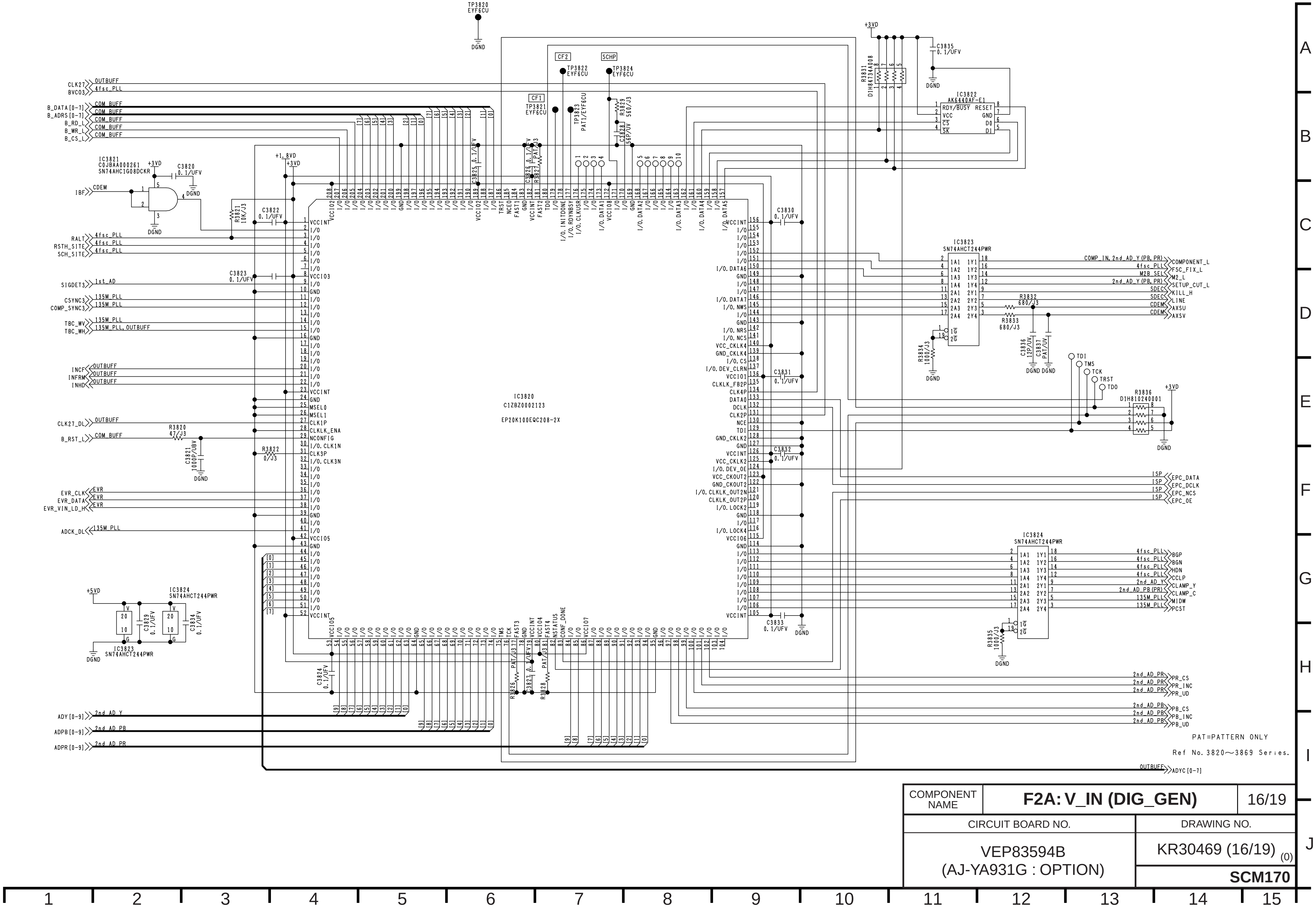

+3VA5 POWER
ADCK_PR 135M_PLL
PR_GAIN_T EVR
PR_GAIN_B EVR
+9VA2 POWER, 2nd_AD_Y(PB)
+5VA7 POWER, 2nd_AD_PB
PR_CS DIG_GEN
PR_INC DIG_GEN
PR_UD DIG_GEN
COMPONENT_L COMP_IN, 2nd_AD_Y(PB), DIG_GEN
CMPST_PR CDEM
CMPNT_PR M2B_SEL
PROFS EVR
SETUP_CUT_L 2nd_AD_Y(PB), DIG_GEN
CLAMP_C 2nd_AD_PB, DIG_GEN
-5VA7 POWER, 2nd_AD_PB
DIG_GEN ADPR[0-9]
Q3701 2SB709A-TX
Q3702 2SD601A-TX
Q3704 2SD601A-TX
Q3705 2SC3130-TX
Q3707 2SD601A-TX
Q3709 2SD601A-TX
Q3700 2SD601A-TX
Q3706 2SD601A-TX
Q3710 2SD1979-TX
Q3703 2SB709A-TX
Q3708 2SK198-RTX
IC3703 NJM062V-TE1
IC3702 NJM064V-TE1
IC3701 C0ZBZ0000569
IC3700 THC4053FTEL
IC3704 C0FBAF000042 AK5430A
FL3700 VLF1476-T
D3700 MA143-GTX
L3705 100U/LC
L3703 820U/LB
R3701 6800/J3
R3700 10K/J3
R3702 27K/J3
R3703 1500/J3
R3704 1000/J3
R3705 1000/J3
R3706 1000/J3
R3707 1000/J3
R3708 33/J3
R3709 390K/J3
R3710 100K/J3
R3711 4700/J3
R3712 47/J3
R3713 1500/J3
R3714 1500/J3
R3715 4700/J3
R3716 47/J3
R3717 390/J3
R3718 1500/J3
R3719 1200/J3
R3720 100/J3
R3723 1000/J3
R3724 47/J3
R3725 PAT/J3
R3726 0/J3
R3727 100/J3
R3728 1000/J3
R3729 1M/J3
R3730 100/J3
R3731 1800/J3
R3732 10K/J3
R3733 10K/J3
R3734 47/J3
R3735 10K/J3
R3736 1M/J3
R3737 1500/J3
R3738 3300/J3
R3739 100/RE7
R3741 56K/J3
R3742 10K/J3
R3743 10K/J3
R3744 1200/RE7
R3745 3000/RE7
R3746 2700/RE7
R3747 1500/RE7
R3748 2200/J3
R3749 1200/RE7
R3750 22K/J3
C3706 16V47/EHB
C3707 33P/UV
C3708 0.1/UFV
C3709 68P/UN
C3710 16V47/EHB
C3711 0.1/UFV
C3712 0.1/UFV
C3713 0.1/UFV
C3714 0.1/UFV
C3715 0.1/UBV
C3717 82P/UV
C3718 0.1/UBV
C3719 47P/UV
C3720 0.1/UFV
C3721 100P/UV
C3722 0.1/UFV
C3723 0.1/UFV
C3724 330P/UV
C3725 47P/UV
C3726 0.1/UFV
C3727 0.1/UFV
C3728 0.1/UFV
C3729 0.1/UFV
C3730 0.1/UFV
C3731 0.1/UFV
C3732 0.1/UFV
C3733 0.1/UFV
C3734 0.1/UFV
C3736 6V47/EHB
CKI OEN CEN AVDD AVSS VTP VREFP VCOM VREFN VBT VHALF AIN
D9 D8 D7 D6 D5 DVDD DVSS D4 D3 D2 D1 D0
RL/VL RW/VW VSS RH/VH CS VCC INC U/D
AGND
DGND

PAT=PATTERN ONLY
Ref No. 3700～3799 Series.

COMPONENT NAME	F2A: V_IN (2nd_AD_PR)	14/19
CIRCUIT BOARD NO.	DRAWING NO.	
VEP83594B (AJ-YA931G : OPTION)	KR30469 (14/19) (0)	
	SCM168	


4fsc_PLL
AX0
2nd_AD_PR
PROFS
PR_GAIN_B
PR_GAIN_T
2nd_AD_PB
PBOFS
PB_GAIN_B
PB_GAIN_T
2nd_AD_Y
Y_OFS
Y_GAIN_B
Y_GAIN_T
+5VA4
+3VD
IC3800
M62370GP
D1
CLK
LD
D0
GND
C0
VSS1
VDD1
AO12
AO13
AO14
AO15
AO11
AO10
AO9
AO8
AO7
AO6
AO5
AO4
AO3
AO2
AO1
AO36
AO35
AO34
AO33
AO32
VSS2
VDD2
C1
VCC
AO31
AO30
AO29
AO28
AO16
AO17
AO18
AO19
AO20
AO21
AO22
AO23
AO24
AO25
AO26
AO27
C3803
0.1/UFV
C3804
0.1/UFV
C3805
0.1/UFV
AGND
EVR_DATA
EVR_CLK
EVR_VIN_LD_H
DIG_GEN
R3800
10K/J3
R3801
10K/J3
R3802
10K/J3
R3803
47/J3
R3804
47/J3
R3805
47/J3
C3800
PAT/UFV
C3801
PAT/UFV
C3802
PAT/UFV
PAT=PATTERN ONLY
Ref No.3800～3819 Series.

COMPONENT NAME	**F2A: V_IN (EVR)**	15/19
CIRCUIT BOARD NO.	DRAWING NO.	
VEP83594B (AJ-YA931G : OPTION)	KR30469 (15/19) (0) **SCM169**	



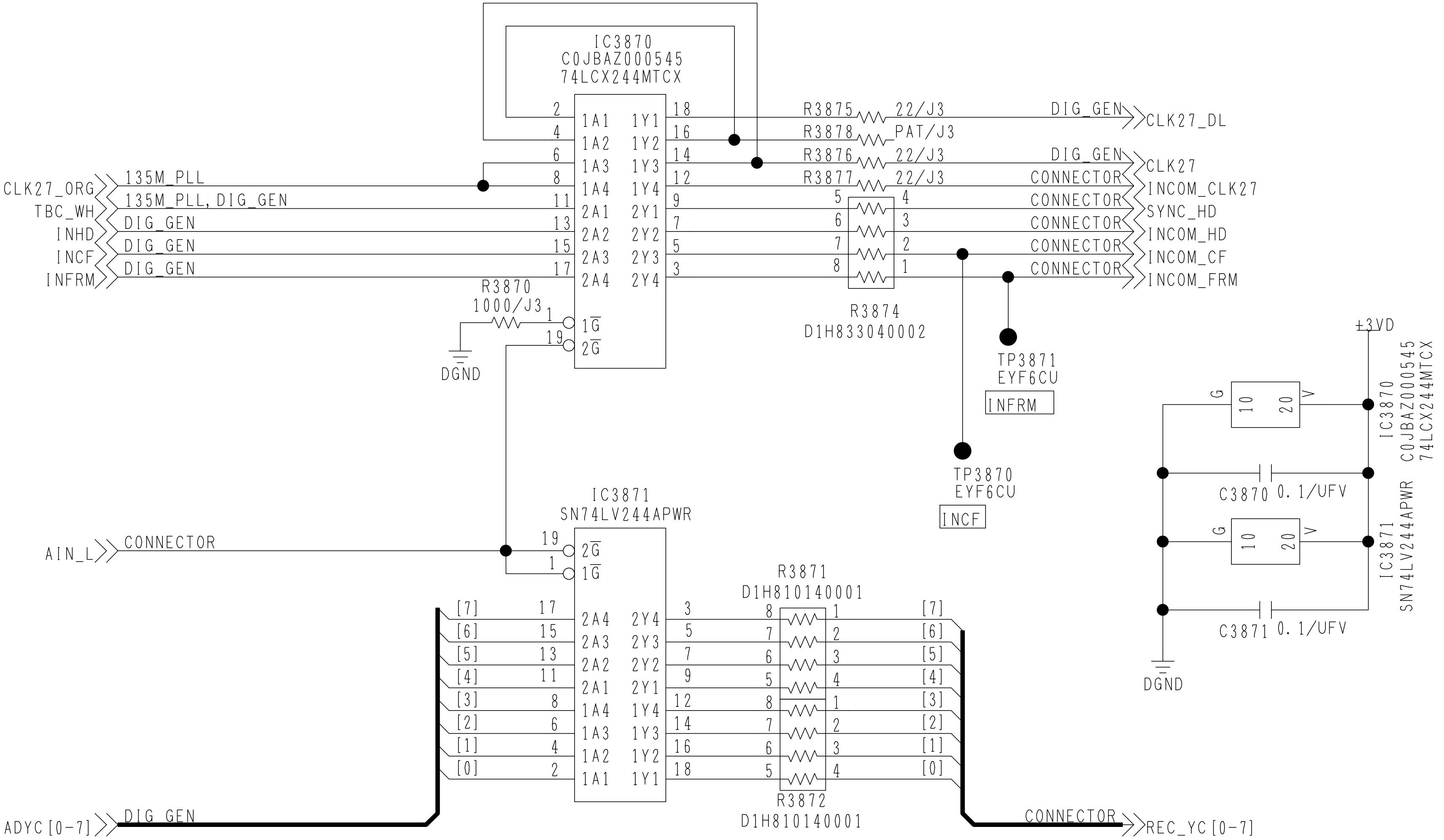
TP3820 EYF6CU
DGND
+3VD
C3835 0.1/UFV
R3831 D1H84714A008
IC3822 AK6440AF-E1
RDY/BUSY RESET
VCC GND
CS DO
SK DI
CF2
SCHP
TP3822 EYF6CU
TP3824 EYF6CU
CF1
TP3821 EYF6CU
TP3823 PAT1/EYF6CU
R3829 560/J3
C3828 56P/UV
CLK27
BVCO3
B_DATA[0-7]
B_ADRS[0-7]
B_RD_L
B_WR_L
B_CS_L
OUTBUFF
4fsc_PLL
COM_BUFF
IC3821 C0JBAA000261 SN74AHC1G08DCKR
C3820 0.1/UFV
IBF
CDEM
+1.8VD
R3821 10K/J3
C3822 0.1/UFV
C3825 0.1/UFV
R3827 PAT/J3
RALT
RSTH_SITE
SCH_SITE
SIGDET3
1st_AD
C3823 0.1/UFV
CSYNC3
COMP_SYNC3
135M_PLL
TBC_WV
TBC_WH
INCF
INFRM
INHD
CLK27_DL
B_RST_L
R3820 47/J3
C3821 100P/UBV
R3822 0/J3
EVR_CLK
EVR_DATA
EVR_VIN_LD_H
EVR
ADCK_DL
IC3820 C1ZBZ0002123 EP20K100EQC208-2X
C3830 0.1/UFV
C3831 0.1/UFV
C3832 0.1/UFV
C3833 0.1/UFV
IC3823 SN74AHCT244PWR
COMP_IN, 2nd_AD_Y(PB,PR)
COMPONENT_L
FSC_FIX_L
M2B_SEL
M2_L
2nd_AD_Y(PB,PR)
SETUP_CUT_L
SDEC
KILL_H
LINE
CDEM
AXSU
AXSV
R3832 680/J3
R3833 680/J3
C3836 12P/UV
C3837 PAT/UV
R3834 1000/J3
TDI
TMS
TCK
TRST
TDO
R3836 D1H810240001
ISP
EPC_DATA
EPC_DCLK
EPC_NCS
EPC_OE
IC3824 SN74AHCT244PWR
BGP
BGN
HDN
CCLP
CLAMP_Y
CLAMP_C
MIDW
PCST
2nd_AD_Y
2nd_AD_PB(PR)
R3835 1000/J3
+5VD
IC3823 SN74AHCT244PWR
C3829 0.1/UFV
IC3824 SN74AHCT244PWR
C3834 0.1/UFV
C3824 0.1/UFV
R3826 PAT/J3
C3827 0.1/UFV
R3828 PAT/J3
2nd_AD_PR
PR_CS
PR_INC
PR_UD
2nd_AD_PB
PB_CS
PB_INC
PB_UD
ADY[0-9]
2nd_AD_Y
ADPB[0-9]
2nd_AD_PB
ADPR[0-9]
2nd_AD_PR
ADYC[0-7]
A
B
C
D
E
F
G
H
I
J
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15

PAT=PATTERN ONLY

Ref No. 3820～3869 Series.

COMPONENT NAME	**F2A: V_IN (DIG_GEN)**	16/19

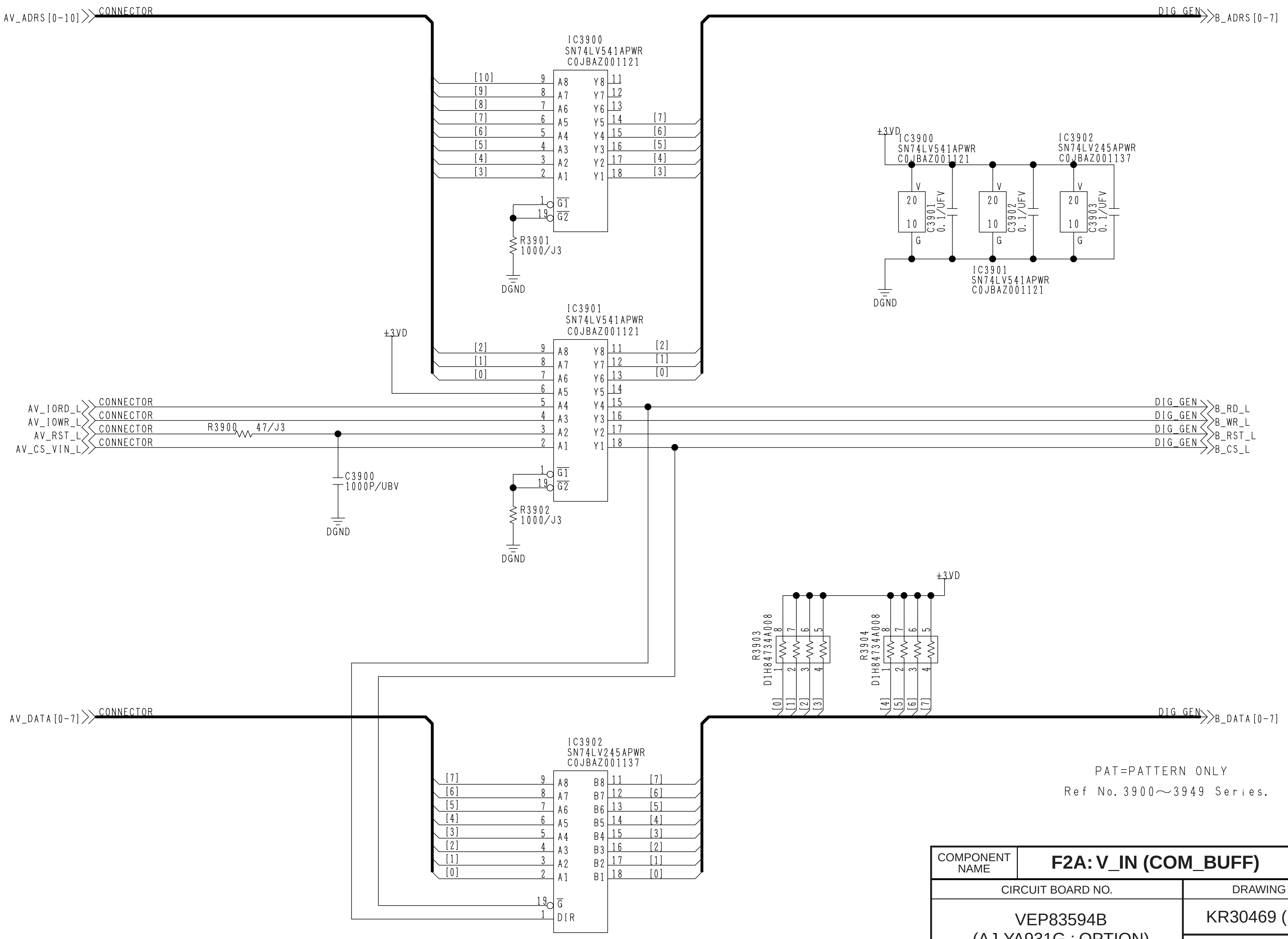
CIRCUIT BOARD NO.	DRAWING NO.
VEP83594B (AJ-YA931G : OPTION)	KR30469 (16/19) (0)
	SCM170


IC3870
C0JBAZ000545
74LCX244MTCX
1A1
1A2
1A3
1A4
2A1
2A2
2A3
2A4
1Y1
1Y2
1Y3
1Y4
2Y1
2Y2
2Y3
2Y4
1G
2G
R3875 22/J3
R3878 PAT/J3
R3876 22/J3
R3877 22/J3
DIG_GEN
CLK27_DL
CLK27
CONNECTOR
INCOM_CLK27
SYNC_HD
INCOM_HD
INCOM_CF
INCOM_FRM
CLK27_ORG
135M_PLL
TBC_WH
135M_PLL, DIG_GEN
INHD
INCF
INFRM
R3870
1000/J3
DGND
R3874
D1H833040002
TP3871
EYF6CU
INFRM
TP3870
EYF6CU
INCF
IC3871
SN74LV244APWR
AIN_L
CONNECTOR
R3871
D1H810140001
R3872
D1H810140001
[7]
[6]
[5]
[4]
[3]
[2]
[1]
[0]
ADYC[0-7]
DIG_GEN
CONNECTOR
REC_YC[0-7]
+3VD
G
10
20
V
IC3870
C0JBAZ000545
74LCX244MTCX
C3870 0.1/UFV
IC3871
SN74LV244APWR
C3871 0.1/UFV
DGND

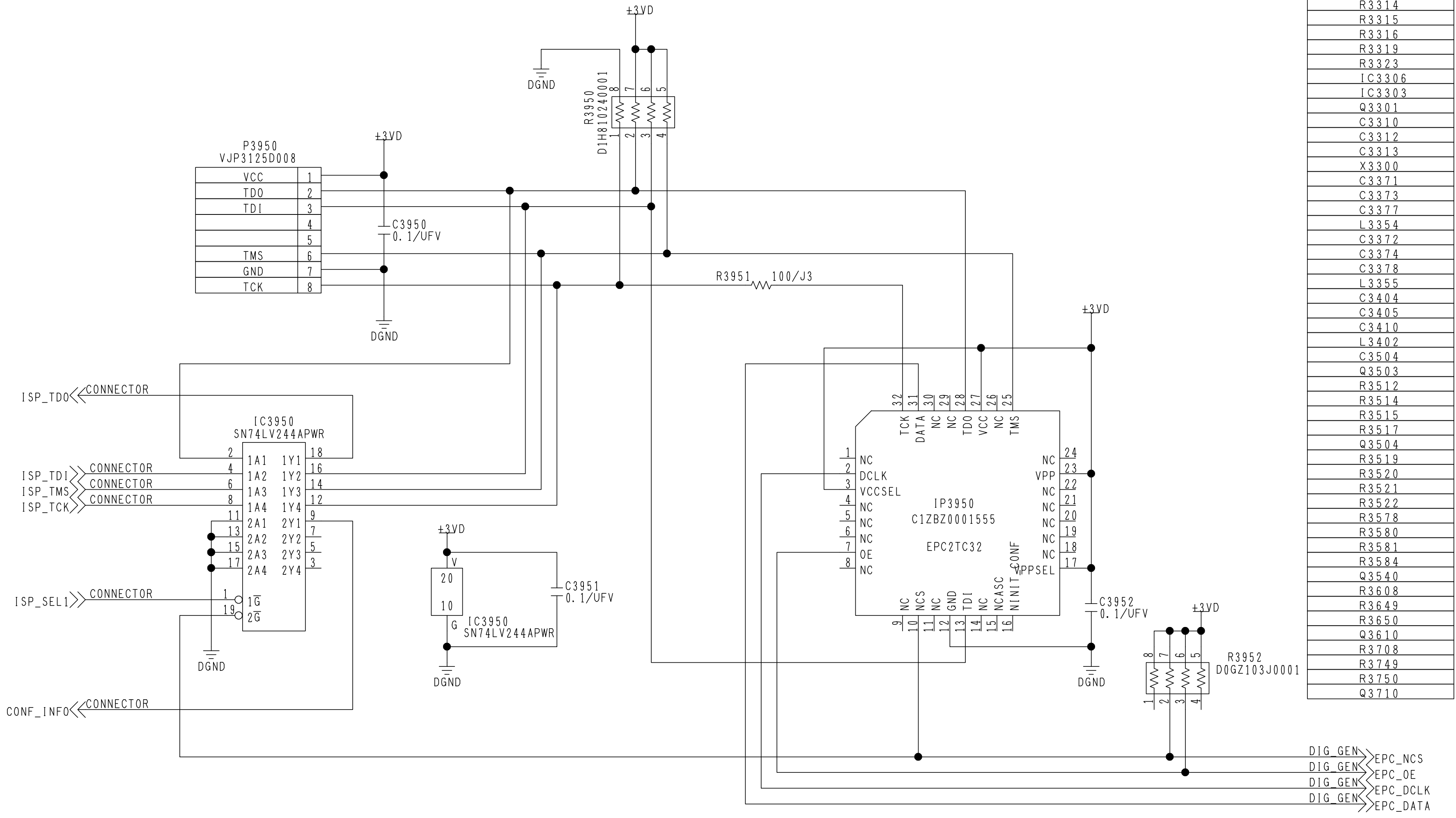
PAT=PATTERN ONLY

Ref No.3870～3899 Series.

COMPONENT NAME	**F2A: V_IN (OUT BUFF)**	17/19
CIRCUIT BOARD NO.	DRAWING NO.	
VEP83594B (AJ-YA931G : OPTION)	KR30469 (17/19) (0) **SCM171**	


AV_ADRS[0-10]
CONNECTOR
DIG_GEN
B_ADRS[0-7]
IC3900
SN74LV541APWR
C0JBAZ001121
[10]
[9]
[8]
[7]
[6]
[5]
[4]
[3]
A8
A7
A6
A5
A4
A3
A2
A1
Y8
Y7
Y6
Y5
Y4
Y3
Y2
Y1
G1
G2
R3901
1000/J3
DGND
+3VD
IC3901
SN74LV541APWR
C0JBAZ001121
[2]
[1]
[0]
AV_IORD_L
AV_IOWR_L
AV_RST_L
AV_CS_VIN_L
R3900
47/J3
C3900
1000P/UBV
R3902
1000/J3
B_RD_L
B_WR_L
B_RST_L
B_CS_L
IC3902
SN74LV245APWR
C0JBAZ001137
C3901
0.1/UFV
C3902
0.1/UFV
C3903
0.1/UFV
V
20
10
G
R3903
D1H84734A008
R3904
D1H84734A008
AV_DATA[0-7]
B_DATA[0-7]
B8
B7
B6
B5
B4
B3
B2
B1
G
DIR
PAT=PATTERN ONLY
Ref No.3900～3949 Series.

COMPONENT NAME	F2A: V_IN (COM_BUFF)	18/19
CIRCUIT BOARD NO.	DRAWING NO.	
VEP83594B (AJ-YA931G : OPTION)	KR30469 (18/19) (0) **SCM172**	

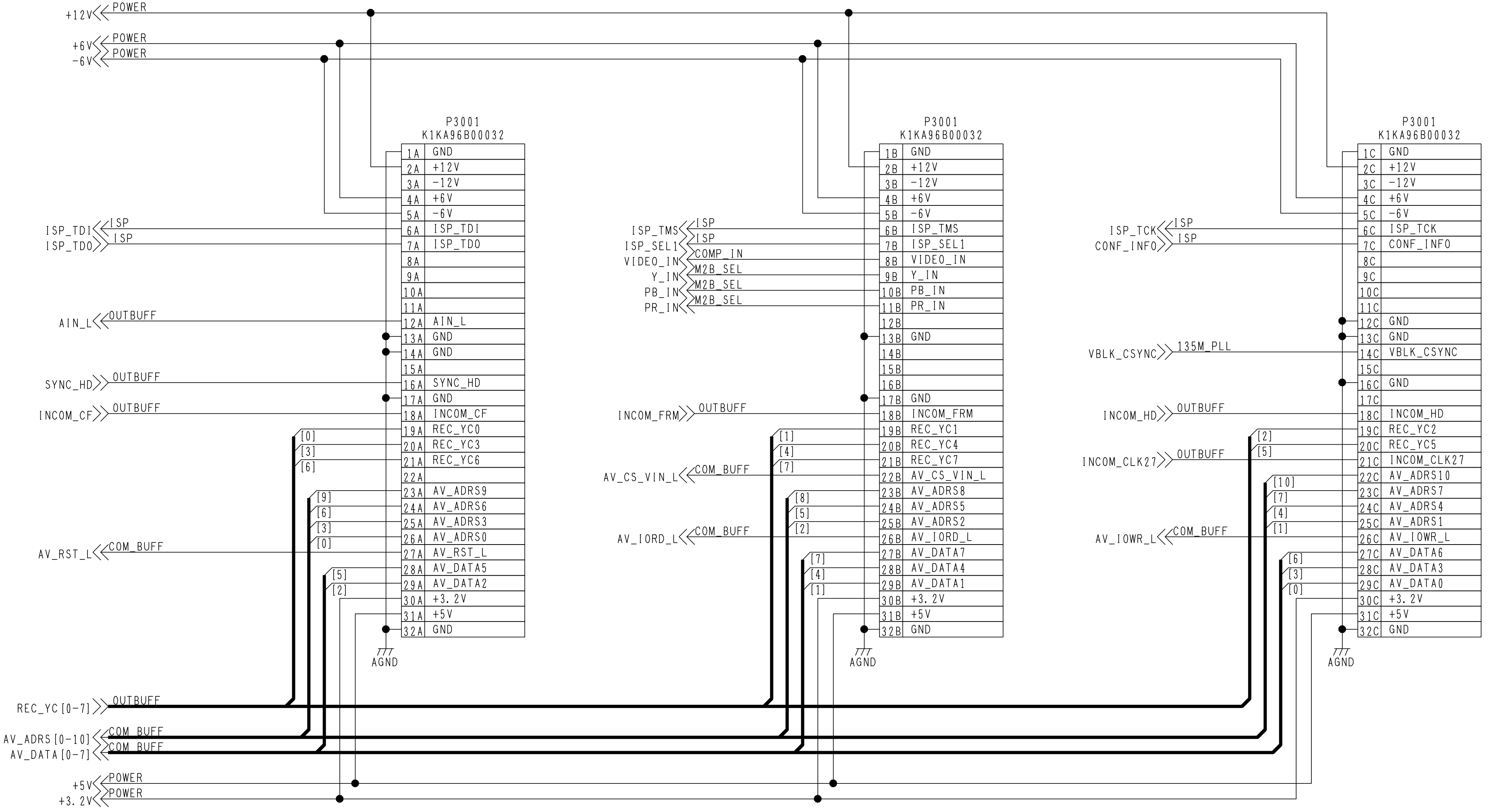

+3VD
DGND
R3950
D1H810240001
P3950
VJP3125D008
VCC
TDO
TDI
TMS
GND
TCK
C3950
0.1/UFV
R3951
100/J3
ISP_TDO
CONNECTOR
IC3950
SN74LV244APWR
1A1
1A2
1A3
1A4
2A1
2A2
2A3
2A4
1Y1
1Y2
1Y3
1Y4
2Y1
2Y2
2Y3
2Y4
1G
2G
ISP_TDI
ISP_TMS
ISP_TCK
ISP_SEL1
CONF_INFO
C3951
0.1/UFV
IC3950
SN74LV244APWR
IP3950
C1ZBZ0001555
EPC2TC32
TCK
DATA
NC
VCC
TMS
DCLK
VCCSEL
OE
VPP
VPPSEL
NCS
GND
NCASC
NINIT_CONF
C3952
0.1/UFV
R3952
D0GZ103J0001
DIG_GEN
EPC_NCS
EPC_OE
EPC_DCLK
EPC_DATA

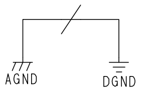
REF	VEP83594B
R3112	ERJ3GEYJ561V
R3200	−
R3201	ERJ3GEY0R00V
R3305	ERJ3GEYJ272V
R3313	ERJ3GEYJ471V
C3311	ECJ1VC1H681J
R3320	ERJ3GEY0R00V
R3311	−
R3314	−
R3315	−
R3316	−
R3319	−
R3323	−
IC3306	−
IC3303	−
Q3301	−
C3310	−
C3312	−
C3313	−
X3300	H1C1435A0002
C3371	ECUV1H220JCV
C3373	ECUV1H060DCV
C3377	F1H1H820A736
L3354	VLQ0163J680
C3372	ECUV1H220JCV
C3374	ECUV1H060DCV
C3378	F1H1H820A736
L3355	VLQ0163J680
C3404	ECJ1VC1H390J
C3405	ECJ1VC1H181J
C3410	ECUV1H080DCV
L3402	G1C471J00001
C3504	ECUV1E104ZFV
Q3503	XN0121300L
R3512	D0GB103JA002
R3514	ERJ3RBD562V
R3515	D0GB103JA002
R3517	ERJ3RBD473V
Q3504	2SC37570LL
R3519	ERJ3RBD821V
R3520	ERJ3RED680V
R3521	ERJ3RED680V
R3522	ERJ3RBD821V
R3578	ERJ3RBD332V
R3580	ERJ3RBD122V
R3581	ERJ3GEYJ223V
R3584	D0GB102JA002
Q3540	2SD197900L
R3608	ERJ3GEYJ330V
R3649	ERJ3RBD122V
R3650	ERJ3GEYJ223V
Q3610	2SD197900L
R3708	ERJ3GEYJ330V
R3749	ERJ3RBD122V
R3750	ERJ3GEYJ223V
Q3710	2SD197900L

PAT=PATTERN ONLY

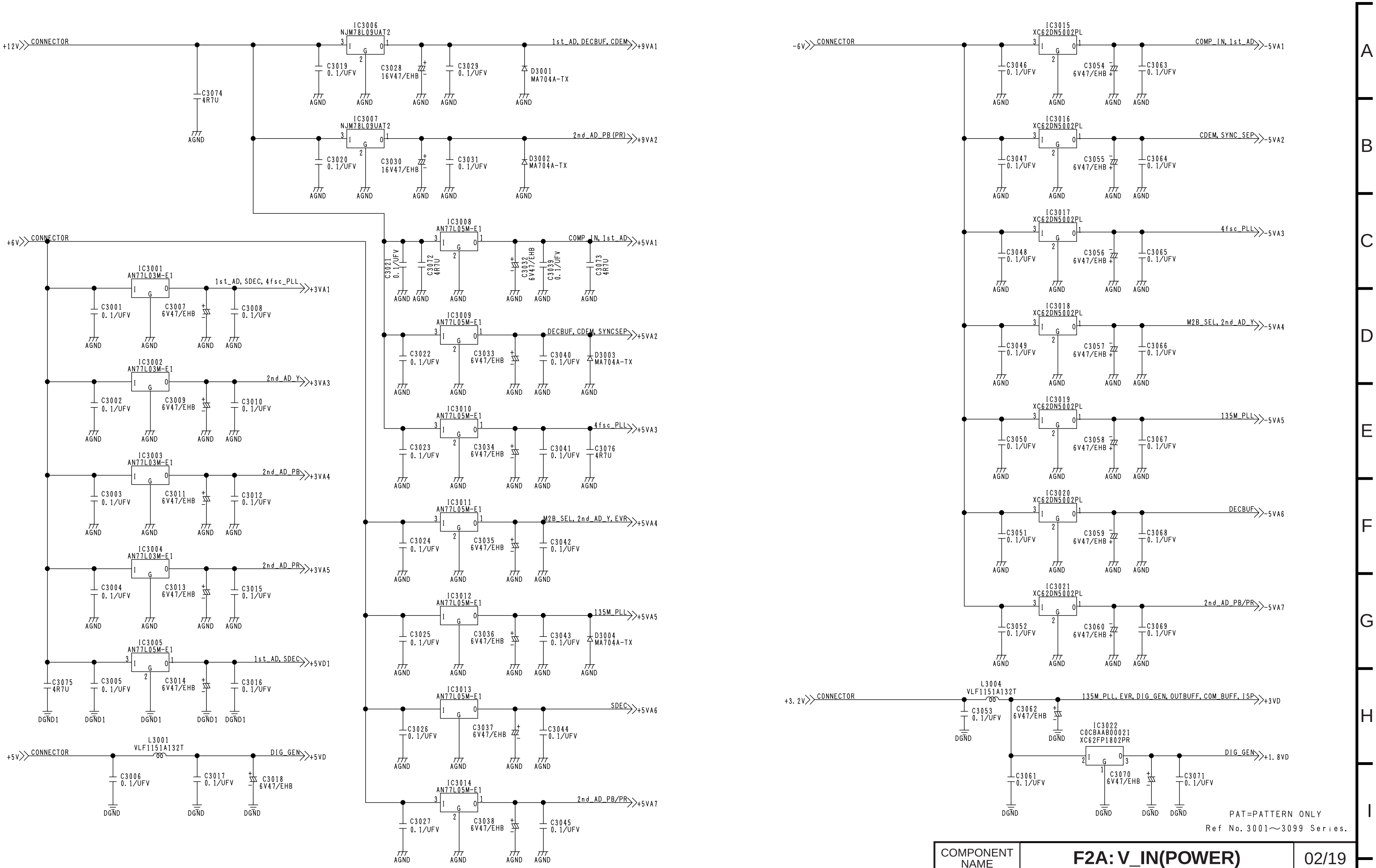
Ref No. 3950〜3999 Series.

COMPONENT NAME	F2A: V_IN (ISP)	19/19
CIRCUIT BOARD NO.	DRAWING NO.	
VEP83594B (AJ-YA931G : OPTION)	KR30469 (19/19) (0)	
	SCM173	


+12V POWER
+6V POWER
-6V POWER
P3001
K1KA96B00032
1A GND
2A +12V
3A -12V
4A +6V
5A -6V
6A ISP_TDI
7A ISP_TDO
8A
9A
10A
11A
12A AIN_L
13A GND
14A GND
15A
16A SYNC_HD
17A GND
18A INCOM_CF
19A REC_YC0
20A REC_YC3
21A REC_YC6
22A
23A AV_ADRS9
24A AV_ADRS6
25A AV_ADRS3
26A AV_ADRS0
27A AV_RST_L
28A AV_DATA5
29A AV_DATA2
30A +3.2V
31A +5V
32A GND
ISP_TDI ISP
ISP_TDO ISP
AIN_L OUTBUFF
SYNC_HD OUTBUFF
INCOM_CF OUTBUFF
AV_RST_L COM_BUFF
[0] [3] [6] [9] [6] [3] [0] [5] [2]
AGND
1B GND
2B +12V
3B -12V
4B +6V
5B -6V
6B ISP_TMS
7B ISP_SEL1
8B VIDEO_IN
9B Y_IN
10B PB_IN
11B PR_IN
12B
13B GND
14B
15B
16B
17B GND
18B INCOM_FRM
19B REC_YC1
20B REC_YC4
21B REC_YC7
22B AV_CS_VIN_L
23B AV_ADRS8
24B AV_ADRS5
25B AV_ADRS2
26B AV_IORD_L
27B AV_DATA7
28B AV_DATA4
29B AV_DATA1
30B +3.2V
31B +5V
32B GND
ISP_TMS ISP
ISP_SEL1 ISP
VIDEO_IN COMP_IN
Y_IN M2B_SEL
PB_IN M2B_SEL
PR_IN M2B_SEL
INCOM_FRM OUTBUFF
AV_CS_VIN_L COM_BUFF
AV_IORD_L COM_BUFF
[1] [4] [7] [8] [5] [2] [7] [4] [1]
1C GND
2C +12V
3C -12V
4C +6V
5C -6V
6C ISP_TCK
7C CONF_INFO
8C
9C
10C
11C
12C GND
13C GND
14C VBLK_CSYNC
15C
16C GND
17C
18C INCOM_HD
19C REC_YC2
20C REC_YC5
21C INCOM_CLK27
22C AV_ADRS10
23C AV_ADRS7
24C AV_ADRS4
25C AV_ADRS1
26C AV_IOWR_L
27C AV_DATA6
28C AV_DATA3
29C AV_DATA0
30C +3.2V
31C +5V
32C GND
ISP_TCK ISP
CONF_INFO ISP
VBLK_CSYNC 135M_PLL
INCOM_HD OUTBUFF
INCOM_CLK27 OUTBUFF
AV_IOWR_L COM_BUFF
[2] [5] [10] [7] [4] [1] [6] [3] [0]
REC_YC[0-7] OUTBUFF
AV_ADRS[0-10] COM_BUFF
AV_DATA[0-7] COM_BUFF
+5V POWER
+3.2V POWER



COMPONENT NAME	F2A: V_IN(CONNECTOR)	01/19
CIRCUIT BOARD NO.	DRAWING NO.	
VEP83594A (AJ-YA932G : OPTION)	KR30325 (1/19) (0) SCM174	


+12V
CONNECTOR
IC3006
NJM78L09UAT2
C3019
0.1/UFV
C3028
16V47/EHB
C3029
0.1/UFV
D3001
MA704A-TX
1st_AD, DECBUF, CDEM
+9VA1
C3074
4R7U
IC3007
NJM78L09UAT2
C3020
0.1/UFV
C3030
16V47/EHB
C3031
0.1/UFV
D3002
MA704A-TX
2nd_AD_PB(PR)
+9VA2
+6V
CONNECTOR
IC3001
AN77L03M-E1
1st_AD, SDEC, 4fsc_PLL
+3VA1
C3001
0.1/UFV
C3007
6V47/EHB
C3008
0.1/UFV
IC3002
AN77L03M-E1
2nd_AD_Y
+3VA3
C3002
0.1/UFV
C3009
6V47/EHB
C3010
0.1/UFV
IC3003
AN77L03M-E1
2nd_AD_PB
+3VA4
C3003
0.1/UFV
C3011
6V47/EHB
C3012
0.1/UFV
IC3004
AN77L03M-E1
2nd_AD_PR
+3VA5
C3004
0.1/UFV
C3013
6V47/EHB
C3015
0.1/UFV
IC3005
AN77L05M-E1
1st_AD, SDEC
+5VD1
C3075
4R7U
C3005
0.1/UFV
C3014
6V47/EHB
C3016
0.1/UFV
DGND1
+5V
CONNECTOR
L3001
VLF1151A132T
DIG_GEN
+5VD
C3006
0.1/UFV
C3017
0.1/UFV
C3018
6V47/EHB
DGND
IC3008
AN77L05M-E1
COMP_IN, 1st_AD
+5VA1
C3021
0.1/UFV
C3072
4R7U
C3032
6V47/EHB
C3039
0.1/UFV
C3073
4R7U
IC3009
AN77L05M-E1
DECBUF, CDEM, SYNCSEP
+5VA2
C3022
0.1/UFV
C3033
6V47/EHB
C3040
0.1/UFV
D3003
MA704A-TX
IC3010
AN77L05M-E1
4fsc_PLL
+5VA3
C3023
0.1/UFV
C3034
6V47/EHB
C3041
0.1/UFV
C3076
4R7U
IC3011
AN77L05M-E1
M2B_SEL, 2nd_AD_Y, EVR
+5VA4
C3024
0.1/UFV
C3035
6V47/EHB
C3042
0.1/UFV
IC3012
AN77L05M-E1
135M_PLL
+5VA5
C3025
0.1/UFV
C3036
6V47/EHB
C3043
0.1/UFV
D3004
MA704A-TX
IC3013
AN77L05M-E1
SDEC
+5VA6
C3026
0.1/UFV
C3037
6V47/EHB
C3044
0.1/UFV
IC3014
AN77L05M-E1
2nd_AD_PB/PR
+5VA7
C3027
0.1/UFV
C3038
6V47/EHB
C3045
0.1/UFV
AGND
-6V
CONNECTOR
IC3015
XC62DN5002PL
COMP_IN, 1st_AD
-5VA1
C3046
0.1/UFV
C3054
6V47/EHB
C3063
0.1/UFV
IC3016
XC62DN5002PL
CDEM, SYNC_SEP
-5VA2
C3047
0.1/UFV
C3055
6V47/EHB
C3064
0.1/UFV
IC3017
XC62DN5002PL
4fsc_PLL
-5VA3
C3048
0.1/UFV
C3056
6V47/EHB
C3065
0.1/UFV
IC3018
XC62DN5002PL
M2B_SEL, 2nd_AD_Y
-5VA4
C3049
0.1/UFV
C3057
6V47/EHB
C3066
0.1/UFV
IC3019
XC62DN5002PL
135M_PLL
-5VA5
C3050
0.1/UFV
C3058
6V47/EHB
C3067
0.1/UFV
IC3020
XC62DN5002PL
DECBUF
-5VA6
C3051
0.1/UFV
C3059
6V47/EHB
C3068
0.1/UFV
IC3021
XC62DN5002PL
2nd_AD_PB/PR
-5VA7
C3052
0.1/UFV
C3060
6V47/EHB
C3069
0.1/UFV
+3.2V
CONNECTOR
L3004
VLF1151A132T
135M_PLL, EVR, DIG_GEN, OUTBUFF, COM_BUFF, ISP
+3VD
C3053
0.1/UFV
C3062
6V47/EHB
IC3022
C0CBAAB00021
XC62FP1802PR
DIG_GEN
+1.8VD
C3061
0.1/UFV
C3070
6V47/EHB
C3071
0.1/UFV
A
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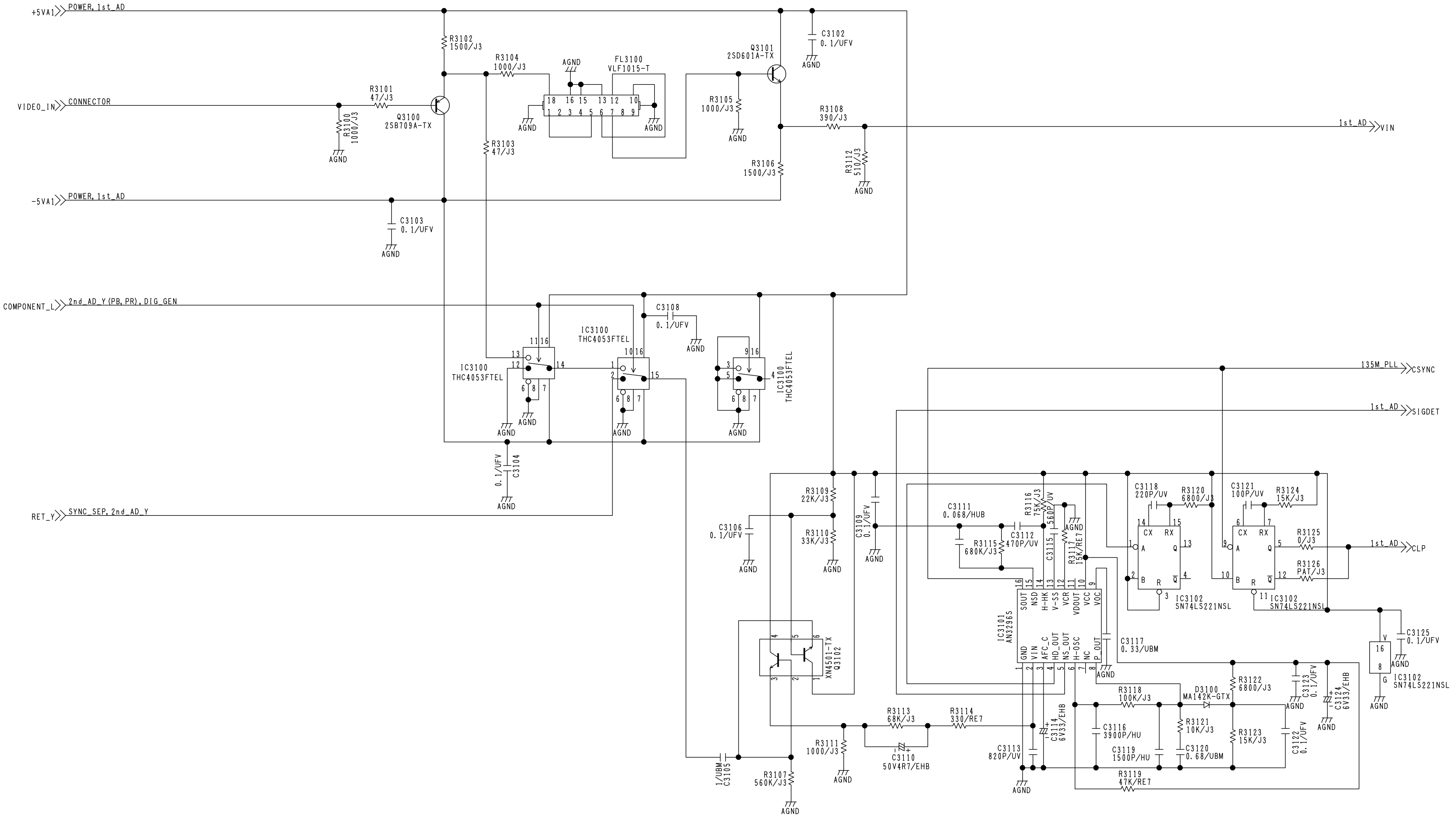
PAT=PATTERN ONLY
Ref No.3001～3099 Series.

COMPONENT NAME	F2A: V_IN(POWER)	02/19
CIRCUIT BOARD NO.	DRAWING NO.	
VEP83594A (AJ-YA932G : OPTION)	KR30325 (2/19) (0)	
	SCM175	


+5VA1
POWER,1st_AD
VIDEO_IN
CONNECTOR
-5VA1
POWER,1st_AD
COMPONENT_L
2nd_AD_Y(PB,PR),DIG_GEN
RET_Y
SYNC_SEP,2nd_AD_Y
R3100 1000/J3
R3101 47/J3
Q3100 2SB709A-TX
R3102 1500/J3
R3103 47/J3
R3104 1000/J3
FL3100 VLF1015-T
Q3101 2SD601A-TX
C3102 0.1/UFV
R3105 1000/J3
R3106 1500/J3
R3108 390/J3
R3112 510/J3
1st_AD
VIN
C3103 0.1/UFV
C3104 0.1/UFV
C3105 1/UBM
C3106 0.1/UFV
C3108 0.1/UFV
C3109 0.1/UFV
IC3100 THC4053FTEL
R3107 560K/J3
R3109 22K/J3
R3110 33K/J3
R3111 1000/J3
R3113 68K/J3
R3114 330/RE7
C3110 50V4R7/EHB
Q3102 XN4501-TX
IC3101 AN3296S
SOUT NSD H-HK V-SS VCR VDOUT VCC VOC
GND VIN AFC_C HD_OUT NS_OUT H-OSC NC P_OUT
C3111 0.068/HUB
C3112 470P/UV
C3113 820P/UV
C3114 6V33/EHB
C3115 560P/UV
R3115 680K/J3
R3116 75K/J3
R3117 15K/RE7
C3116 3900P/HU
C3117 0.33/UBM
R3118 100K/J3
C3119 1500P/HU
R3119 47K/RE7
C3120 0.68/UBM
R3121 10K/J3
D3100 MA142K-GTX
R3122 6800/J3
R3123 15K/J3
C3122 0.1/UFV
C3123 0.1/UFV
C3124 6V33/EHB
C3118 220P/UV
R3120 6800/J3
C3121 100P/UV
R3124 15K/J3
R3125 0/J3
R3126 PAT/J3
IC3102 SN74LS221NSL
CX RX A B R Q
C3125 0.1/UFV
135M_PLL
CSYNC
1st_AD
SIGDET
1st_AD
CLP
AGND
A
B
C
D
E
F
G
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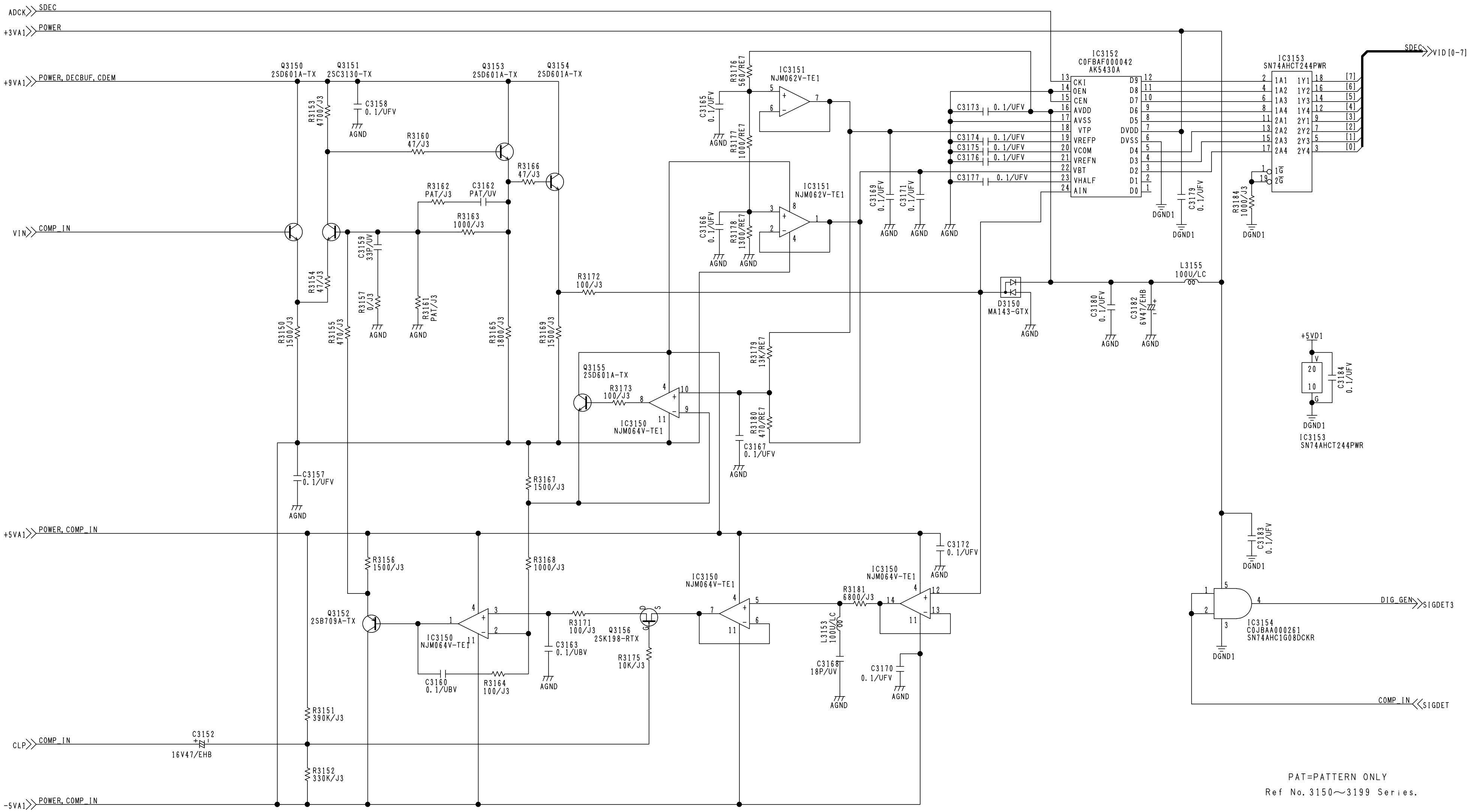
I
J
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

PAT=PATTERN ONLY

Ref No.3100〜3149 Series.

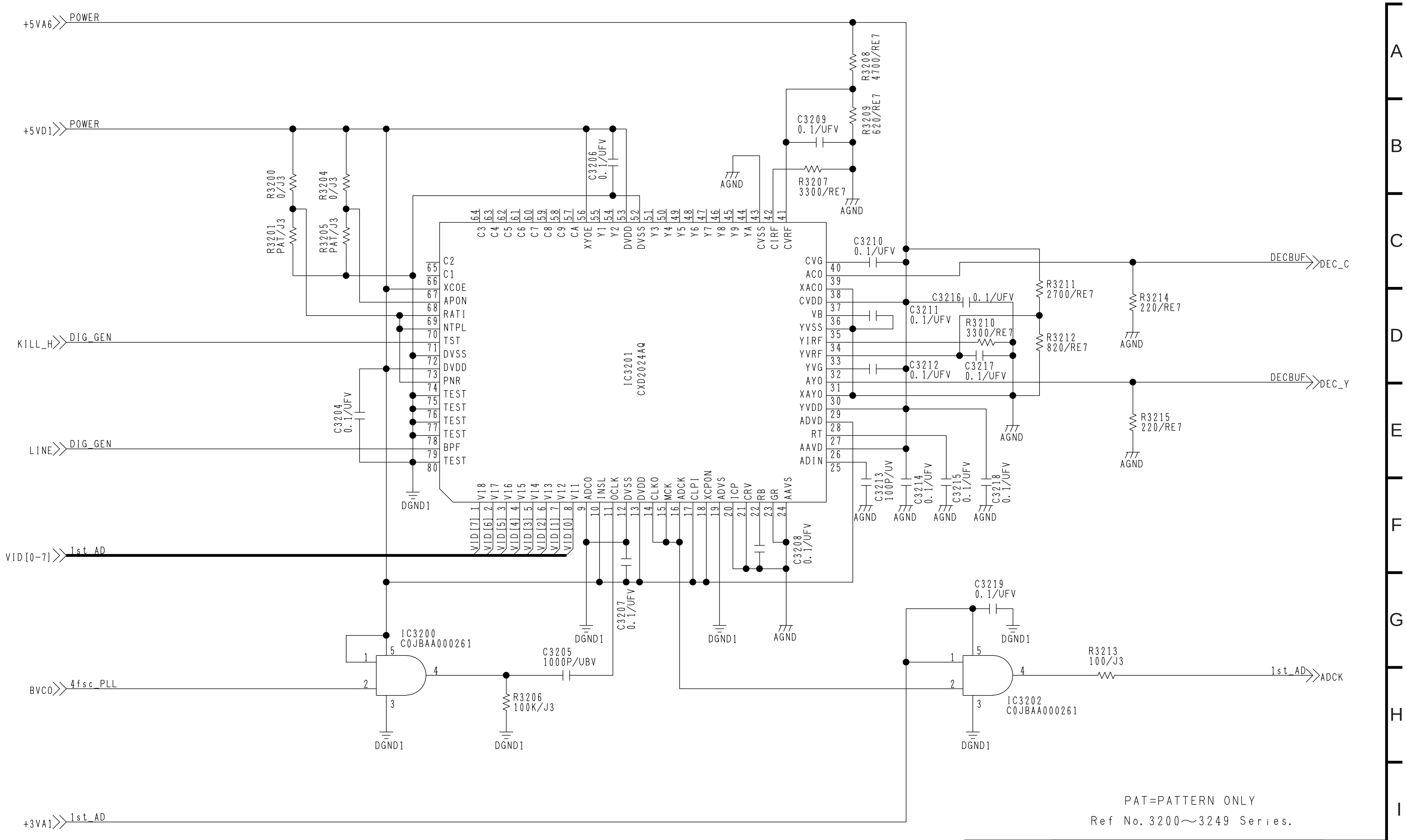
COMPONENT NAME	F2A: V_IN(COMP_IN)	03/19
CIRCUIT BOARD NO.	DRAWING NO.	
VEP83594A (AJ-YA932G : OPTION)	KR30325 (3/19) (0)	
	SCM176	


ADCK
SDEC
+3VA1
POWER
+9VA1
POWER, DECBUF, CDEM
VIN
COMP_IN
+5VA1
POWER, COMP_IN
CLP
COMP_IN
-5VA1
POWER, COMP_IN
Q3150 2SD601A-TX
Q3151 2SC3130-TX
Q3153 2SD601A-TX
Q3154 2SD601A-TX
Q3155 2SD601A-TX
Q3152 2SB709A-TX
Q3156 2SK198-RTX
IC3150 NJM064V-TE1
IC3151 NJM062V-TE1
IC3152 C0FBAF000042 AK5430A
IC3153 SN74AHCT244PWR
IC3154 C0JBAA000261 SN74AHC1G08DCKR
D3150 MA143-GTX
L3155 100U/LC
L3153 100U/LC
R3150 1500/J3
R3151 390K/J3
R3152 330K/J3
R3153 4700/J3
R3154 47/J3
R3155 470/J3
R3156 1500/J3
R3157 0/J3
R3160 47/J3
R3161 PAT/J3
R3162 PAT/J3
R3163 1000/J3
R3164 100/J3
R3165 1800/J3
R3166 47/J3
R3167 1500/J3
R3168 1000/J3
R3169 1500/J3
R3171 100/J3
R3172 100/J3
R3173 100/J3
R3175 10K/J3
R3176 560/RE7
R3177 1000/RE7
R3178 1300/RE7
R3179 13K/RE7
R3180 470/RE7
R3181 6800/J3
R3184 1000/J3
C3152 16V47/EHB
C3157 0.1/UFV
C3158 0.1/UFV
C3159 33P/UV
C3160 0.1/UBV
C3162 PAT/UV
C3163 0.1/UBV
C3165 0.1/UFV
C3166 0.1/UFV
C3167 0.1/UFV
C3168 18P/UV
C3169 0.1/UFV
C3170 0.1/UFV
C3171 0.1/UFV
C3172 0.1/UFV
C3173 0.1/UFV
C3174 0.1/UFV
C3175 0.1/UFV
C3176 0.1/UFV
C3177 0.1/UFV
C3179 0.1/UFV
C3180 0.1/UFV
C3182 6V47/EHB
C3183 0.1/UFV
C3184 0.1/UFV
CKI
OEN
CEN
AVDD
AVSS
VTP
VREFP
VCOM
VREFN
VBT
VHALF
AIN
D9
D8
D7
D6
D5
DVDD
DVSS
D4
D3
D2
D1
D0
1A1
1A2
1A3
1A4
2A1
2A2
2A3
2A4
1Y1
1Y2
1Y3
1Y4
2Y1
2Y2
2Y3
2Y4
1G
2G
[7]
[6]
[5]
[4]
[3]
[2]
[1]
[0]
SDEC
VID[0-7]
+5VD1
DIG_GEN
SIGDET3
COMP_IN
SIGDET
AGND
DGND1

PAT=PATTERN ONLY

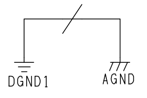
Ref No. 3150～3199 Series.

COMPONENT NAME	**F2A: V_IN(1st_AD)**	04/19
CIRCUIT BOARD NO.	DRAWING NO.	
VEP83594A (AJ-YA932G : OPTION)	KR30325 (4/19) (0) **SCM177**	


A
B
C
D
E
F
G
H
I
J
+5VA6
POWER
+5VD1
POWER
R3200
0/J3
R3201
PAT/J3
R3204
0/J3
R3205
PAT/J3
C3206
0.1/UFV
C3209
0.1/UFV
R3208
4700/RE7
R3209
620/RE7
R3207
3300/RE7
AGND
IC3201
CXD2024AQ
C2
C1
XCOE
APON
RATI
NTPL
TST
DVSS
DVDD
PNR
TEST
BPF
C3
C4
C5
C6
C7
C8
C9
CA
XYOE
Y1
Y2
DVDD
DVSS
Y3
Y4
Y5
Y6
Y7
Y8
Y9
YA
CVSS
CIRF
CVRF
CVG
ACO
XACO
CVDD
VB
YVSS
YIRF
YVRF
YVG
AYO
XAYO
YVDD
ADVD
RT
AAVD
ADIN
V18
V17
V16
V15
V14
V13
V12
V11
ADCO
INSL
OCLK
CLKO
MCK
ADCK
CLPI
XCPON
ADVS
ICP
CRV
RB
GR
AAVS
KILL_H
DIG_GEN
LINE
DIG_GEN
C3204
0.1/UFV
DGND1
VID[0-7]
1st_AD
VID[7]
VID[6]
VID[5]
VID[4]
VID[3]
VID[2]
VID[1]
VID[0]
C3210
0.1/UFV
C3216
0.1/UFV
C3211
0.1/UFV
R3210
3300/RE7
C3212
0.1/UFV
C3217
0.1/UFV
R3211
2700/RE7
R3212
820/RE7
R3214
220/RE7
R3215
220/RE7
DECBUF
DEC_C
DECBUF
DEC_Y
C3213
100P/UV
C3214
0.1/UFV
C3215
0.1/UFV
C3218
0.1/UFV
C3208
0.1/UFV
C3207
0.1/UFV
IC3200
C0JBAA000261
BVCO
4fsc_PLL
C3205
1000P/UBV
R3206
100K/J3
C3219
0.1/UFV
R3213
100/J3
1st_AD
ADCK
IC3202
C0JBAA000261
+3VA1
1st_AD

PAT=PATTERN ONLY

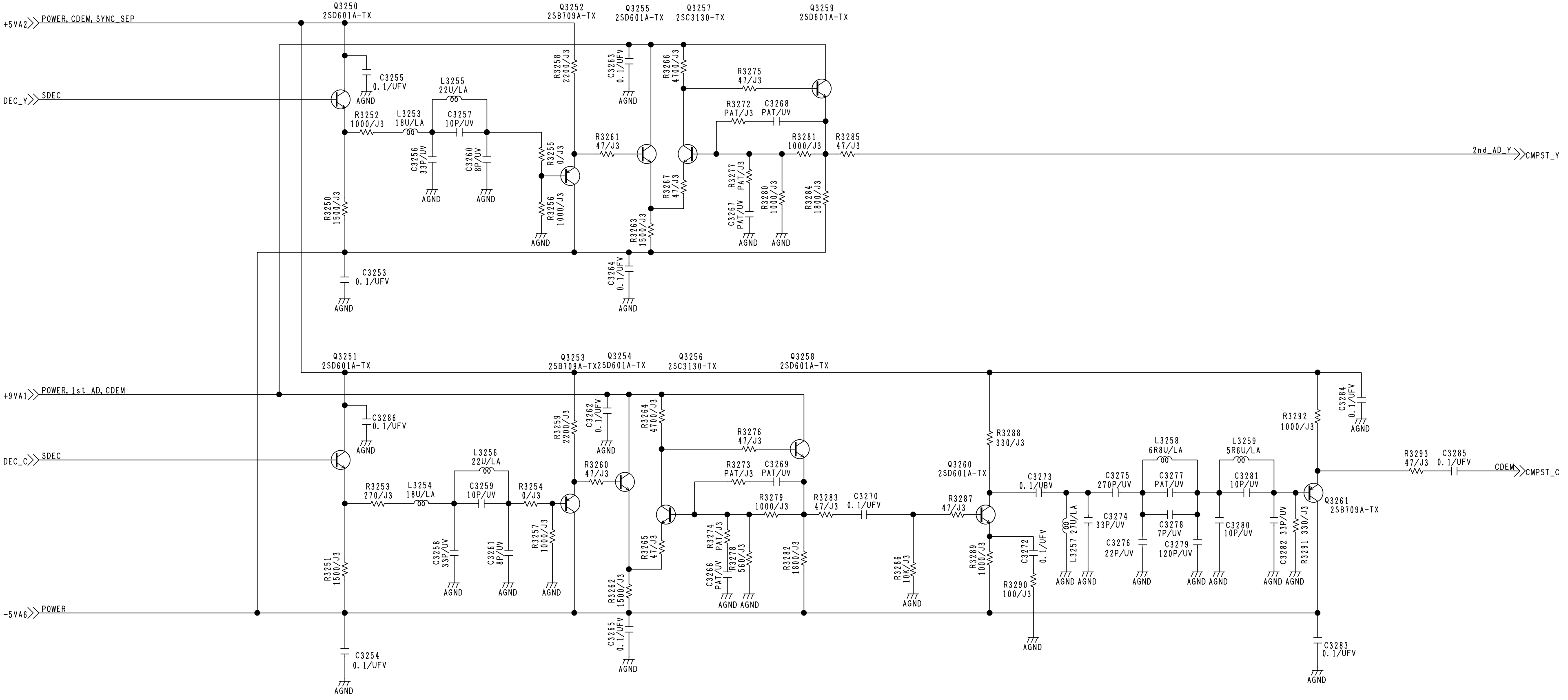
Ref No. 3200～3249 Series.



COMPONENT NAME	F2A: V_IN(SDEC)	05/19

CIRCUIT BOARD NO.
VEP83594A
(AJ-YA932G : OPTION)

DRAWING NO.
KR30325 (5/19) (0)
SCM178


+5VA2
POWER, CDEM, SYNC_SEP
DEC_Y
SDEC
+9VA1
POWER, 1st_AD, CDEM
DEC_C
SDEC
-5VA6
POWER
2nd_AD_Y
CMPST_Y
CDEM
CMPST_C
Q3250 2SD601A-TX
Q3252 2SB709A-TX
Q3255 2SD601A-TX
Q3257 2SC3130-TX
Q3259 2SD601A-TX
Q3251 2SD601A-TX
Q3253 2SB709A-TX
Q3254 2SD601A-TX
Q3256 2SC3130-TX
Q3258 2SD601A-TX
Q3260 2SD601A-TX
Q3261 2SB709A-TX
C3255 0.1/UFV
L3255 22U/LA
C3257 10P/UV
R3252 1000/J3
L3253 18U/LA
C3256 33P/UV
C3260 8P/UV
R3255 0/J3
R3256 1000/J3
R3258 2200/J3
C3263 0.1/UFV
R3261 47/J3
R3266 4700/J3
R3275 47/J3
R3272 PAT/J3
C3268 PAT/UV
R3281 1000/J3
R3285 47/J3
R3267 47/J3
R3277 PAT/J3
C3267 PAT/UV
R3280 1000/J3
R3284 1800/J3
R3263 1500/J3
R3250 1500/J3
C3253 0.1/UFV
C3264 0.1/UFV
C3286 0.1/UFV
L3256 22U/LA
R3253 270/J3
L3254 18U/LA
C3259 10P/UV
R3254 0/J3
C3258 33P/UV
C3261 8P/UV
R3257 1000/J3
R3259 2200/J3
C3262 0.1/UFV
R3260 47/J3
R3264 4700/J3
R3276 47/J3
R3273 PAT/J3
C3269 PAT/UV
R3279 1000/J3
R3283 47/J3
C3270 0.1/UFV
R3274 PAT/J3
R3278 560/J3
C3266 PAT/UV
R3282 1800/J3
R3265 47/J3
R3262 1500/J3
R3251 1500/J3
C3254 0.1/UFV
C3265 0.1/UFV
R3286 10K/J3
R3288 330/J3
R3287 47/J3
R3289 1000/J3
R3290 100/J3
C3272 0.1/UFV
C3273 0.1/UBV
L3257 27U/LA
C3274 33P/UV
C3275 270P/UV
C3276 22P/UV
L3258 6R8U/LA
C3277 PAT/UV
C3278 7P/UV
C3279 120P/UV
L3259 5R6U/LA
C3281 10P/UV
C3280 10P/UV
C3282 33P/UV
R3291 330/J3
R3292 1000/J3
C3284 0.1/UFV
R3293 47/J3
C3285 0.1/UFV
C3283 0.1/UFV
AGND
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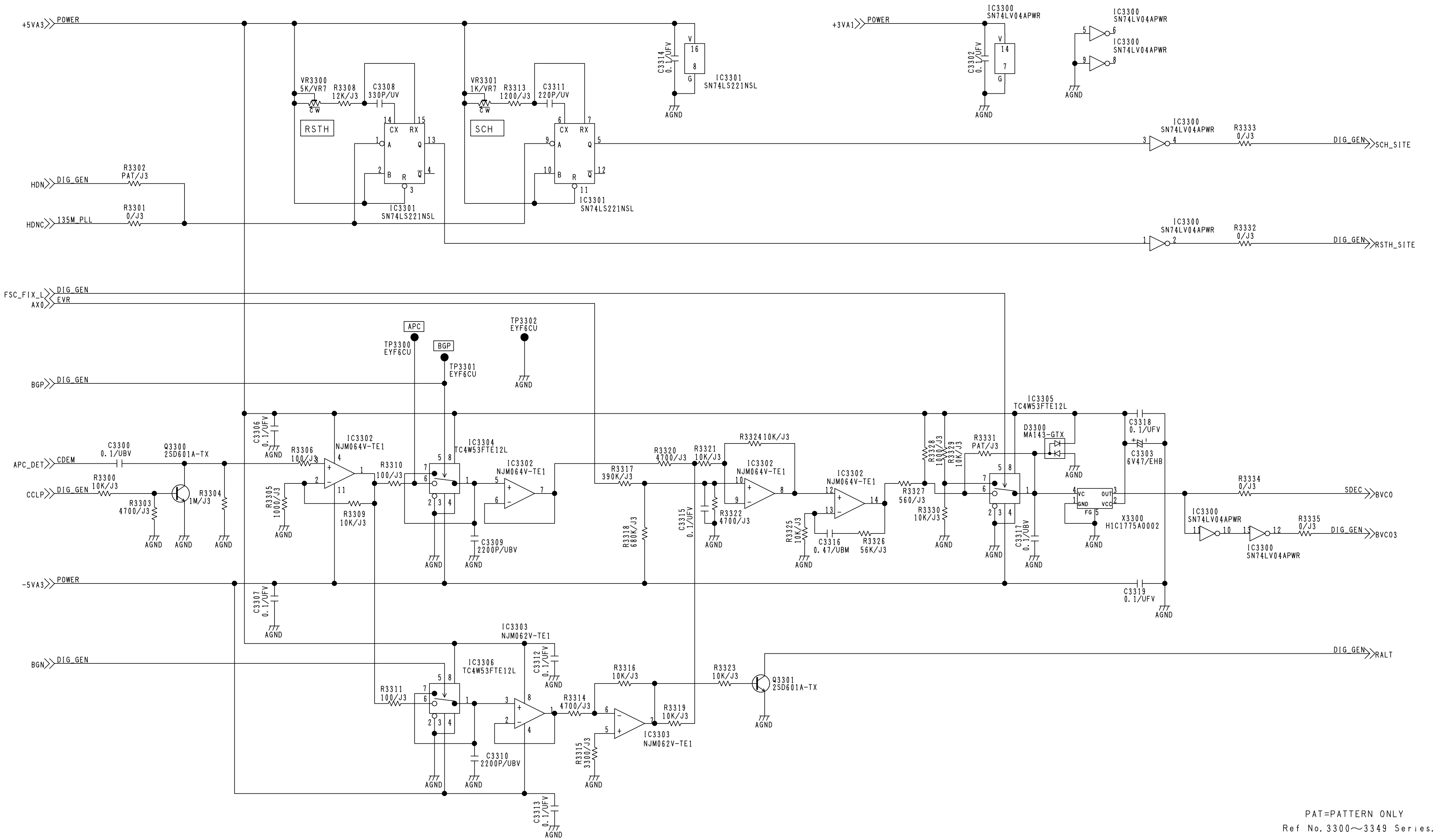
PAT=PATTERN ONLY
Ref No. 3250～3299 Series.

COMPONENT NAME	**F2A: V_IN(DECBUF)**	06/19
CIRCUIT BOARD NO.	DRAWING NO.	
VEP83594A (AJ-YA932G : OPTION)	KR30325 (6/19) (0)	
	SCM179	


+5VA3 POWER
+3VA1 POWER
-5VA3 POWER
HDN DIG_GEN
HDNC 135M_PLL
FSC_FIX_L DIG_GEN
AX0 EVR
BGP DIG_GEN
APC_DET CDEM
CCLP DIG_GEN
BGN DIG_GEN
VR3300 5K/VR7
R3308 12K/J3
C3308 330P/UV
VR3301 1K/VR7
R3313 1200/J3
C3311 220P/UV
RSTH
SCH
IC3301 SN74LS221NSL
C3314 0.1/UFV
C3302 0.1/UFV
IC3300 SN74LV04APWR
R3302 PAT/J3
R3301 0/J3
R3333 0/J3
R3332 0/J3
DIG_GEN SCH_SITE
DIG_GEN RSTH_SITE
APC
BGP
TP3300 EYF6CU
TP3301 EYF6CU
TP3302 EYF6CU
C3300 0.1/UBV
Q3300 2SD601A-TX
R3300 10K/J3
R3303 4700/J3
R3304 1M/J3
C3306 0.1/UFV
R3306 100/J3
R3305 1000/J3
IC3302 NJM064V-TE1
R3310 100/J3
R3309 10K/J3
IC3304 TC4W53FTE12L
C3309 2200P/UBV
R3317 390K/J3
R3318 680K/J3
R3320 4700/J3
R3321 10K/J3
R3324 10K/J3
R3322 4700/J3
C3315 0.1/UFV
R3325 10K/J3
C3316 0.47/UBM
R3326 56K/J3
R3327 560/J3
R3328 1000/J3
R3329 10K/J3
R3330 10K/J3
R3331 PAT/J3
IC3305 TC4W53FTE12L
D3300 MA143-GTX
C3317 0.1/UBV
C3318 0.1/UFV
C3303 6V47/EHB
X3300 H1C1775A0002
R3334 0/J3
SDEC BVCO
R3335 0/J3
DIG_GEN BVCO3
C3319 0.1/UFV
C3307 0.1/UFV
IC3303 NJM062V-TE1
C3312 0.1/UFV
IC3306 TC4W53FTE12L
R3311 100/J3
C3310 2200P/UBV
R3314 4700/J3
R3316 10K/J3
R3319 10K/J3
R3315 3300/J3
R3323 10K/J3
Q3301 2SD601A-TX
DIG_GEN RALT
C3313 0.1/UFV
AGND
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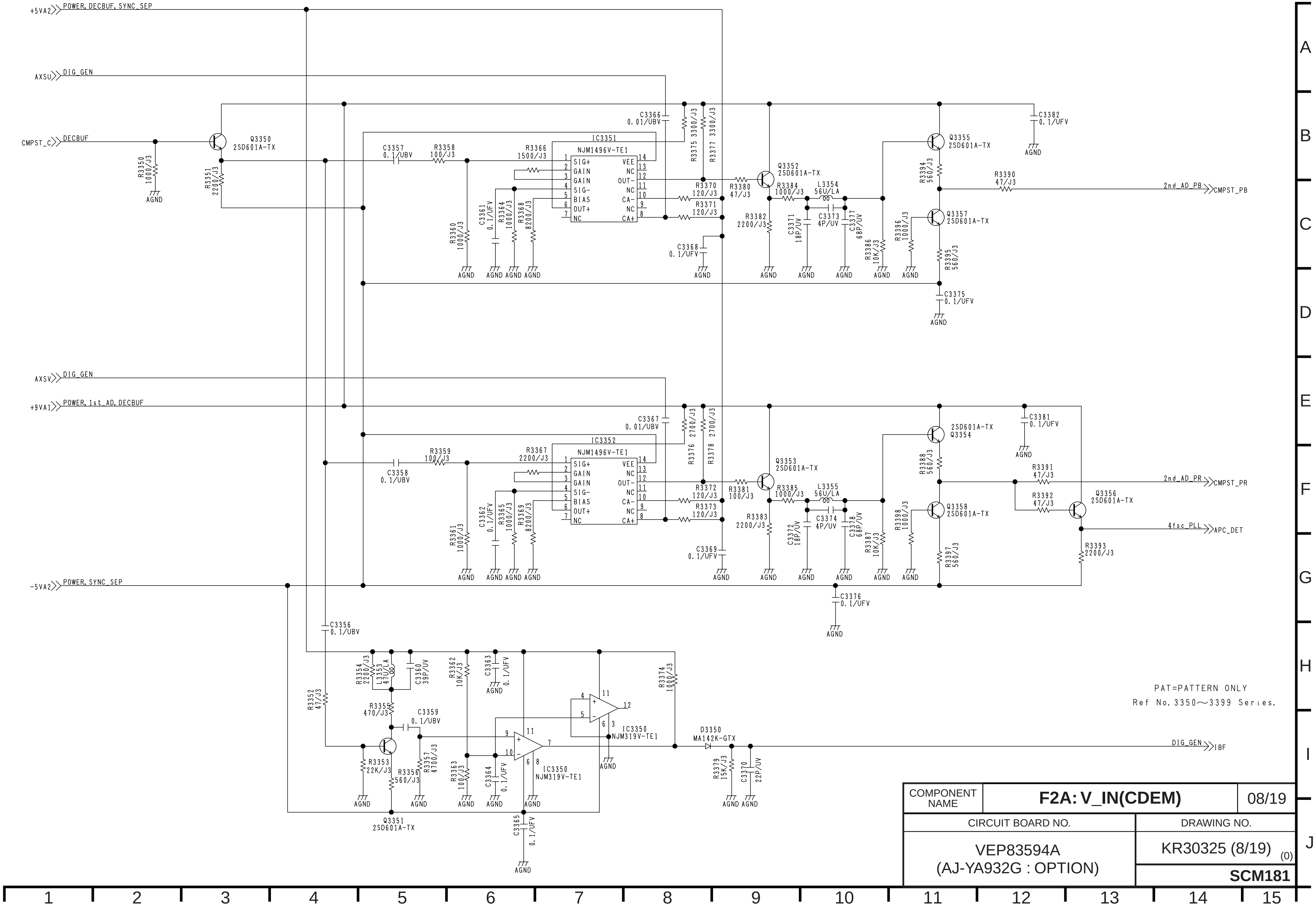
PAT=PATTERN ONLY
Ref No.3300～3349 Series.

COMPONENT NAME	F2A: V_IN(4fsc_PLL)	07/19
CIRCUIT BOARD NO.	DRAWING NO.	
VEP83594A (AJ-YA932G : OPTION)	KR30325 (7/19) (0)	
	SCM180	


+5VA2 POWER, DECBUF, SYNC_SEP
AXSU DIG_GEN
CMPST_C DECBUF
Q3350 2SD601A-TX
R3350 1000/J3
R3351 2200/J3
AGND
C3357 0.1/UBV
R3358 100/J3
R3366 1500/J3
C3366 0.01/UBV
R3375 3300/J3
R3377 3300/J3
IC3351 NJM1496V-TE1
SIG+ GAIN GAIN SIG- BIAS OUT+ NC
VEE NC OUT- NC CA- NC CA+
R3360 1000/J3
C3361 0.1/UFV
R3364 1000/J3
R3368 8200/J3
R3370 120/J3
R3371 120/J3
C3368 0.1/UFV
R3380 47/J3
Q3352 2SD601A-TX
R3382 2200/J3
R3384 1000/J3
L3354 56U/LA
C3371 18P/UV
C3373 4P/UV
C3377 68P/UV
R3386 10K/J3
Q3355 2SD601A-TX
R3394 560/J3
R3390 47/J3
2nd_AD_PB CMPST_PB
Q3357 2SD601A-TX
R3396 1000/J3
R3395 560/J3
C3375 0.1/UFV
C3382 0.1/UFV
AXSV DIG_GEN
+9VA1 POWER, 1st_AD, DECBUF
C3367 0.01/UBV
R3376 2700/J3
R3378 2700/J3
IC3352 NJM1496V-TE1
C3358 0.1/UBV
R3359 100/J3
R3367 2200/J3
R3361 1000/J3
C3362 0.1/UFV
R3365 1000/J3
R3369 8200/J3
R3372 120/J3
R3373 120/J3
C3369 0.1/UFV
R3381 100/J3
Q3353 2SD601A-TX
R3383 2200/J3
R3385 1000/J3
L3355 56U/LA
C3372 18P/UV
C3374 4P/UV
C3378 68P/UV
R3387 10K/J3
2SD601A-TX Q3354
R3388 560/J3
C3381 0.1/UFV
R3391 47/J3
2nd_AD_PR CMPST_PR
R3392 47/J3
Q3356 2SD601A-TX
Q3358 2SD601A-TX
R3398 1000/J3
R3397 560/J3
4fsc_PLL APC_DET
R3393 2200/J3
-5VA2 POWER, SYNC_SEP
C3376 0.1/UFV
C3356 0.1/UBV
R3354 2200/J3
L3353 47U/LA
C3360 39P/UV
R3362 10K/J3
C3363 0.1/UFV
R3374 1000/J3
R3352 47/J3
R3355 470/J3
C3359 0.1/UBV
R3353 22K/J3
R3356 560/J3
R3357 4700/J3
Q3351 2SD601A-TX
R3363 100/J3
C3364 0.1/UFV
IC3350 NJM319V-TE1
C3365 0.1/UFV
D3350 MA142K-GTX
R3379 15K/J3
C3370 22P/UV
DIG_GEN IBF
A
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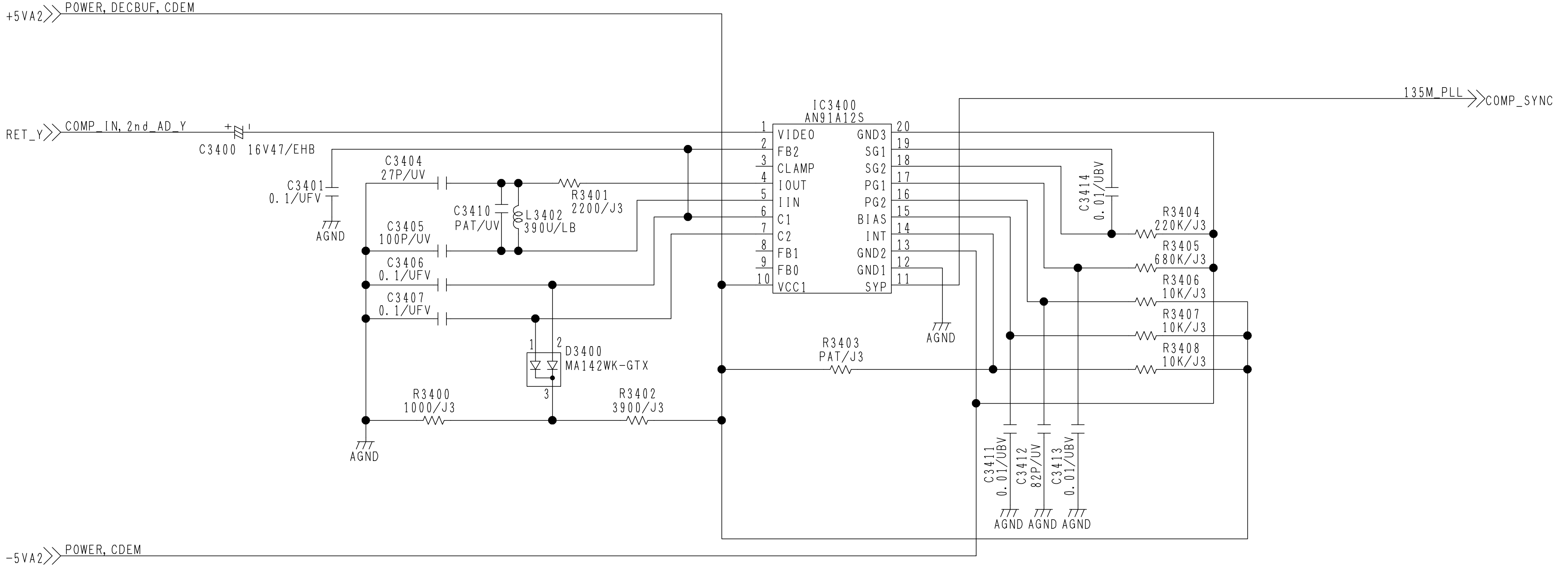
PAT=PATTERN ONLY
Ref No. 3350～3399 Series.

COMPONENT NAME	F2A: V_IN(CDEM)		08/19
CIRCUIT BOARD NO.		DRAWING NO.	
VEP83594A (AJ-YA932G : OPTION)		KR30325 (8/19) (0)	
		SCM181	


+5VA2
POWER, DECBUF, CDEM
RET_Y
COMP_IN, 2nd_AD_Y
C3400 16V47/EHB
C3401
0.1/UFV
AGND
C3404
27P/UV
C3410
PAT/UV
L3402
390U/LB
R3401
2200/J3
C3405
100P/UV
C3406
0.1/UFV
C3407
0.1/UFV
D3400
MA142WK-GTX
1
2
3
R3400
1000/J3
R3402
3900/J3
AGND
IC3400
AN91A12S
1 VIDEO
2 FB2
3 CLAMP
4 IOUT
5 IIN
6 C1
7 C2
8 FB1
9 FB0
10 VCC1
20 GND3
19 SG1
18 SG2
17 PG1
16 PG2
15 BIAS
14 INT
13 GND2
12 GND1
11 SYP
AGND
135M_PLL
COMP_SYNC
C3414
0.01/UBV
R3404
220K/J3
R3405
680K/J3
R3406
10K/J3
R3407
10K/J3
R3408
10K/J3
R3403
PAT/J3
C3411
0.01/UBV
C3412
82P/UV
C3413
0.01/UBV
AGND AGND AGND
-5VA2
POWER, CDEM

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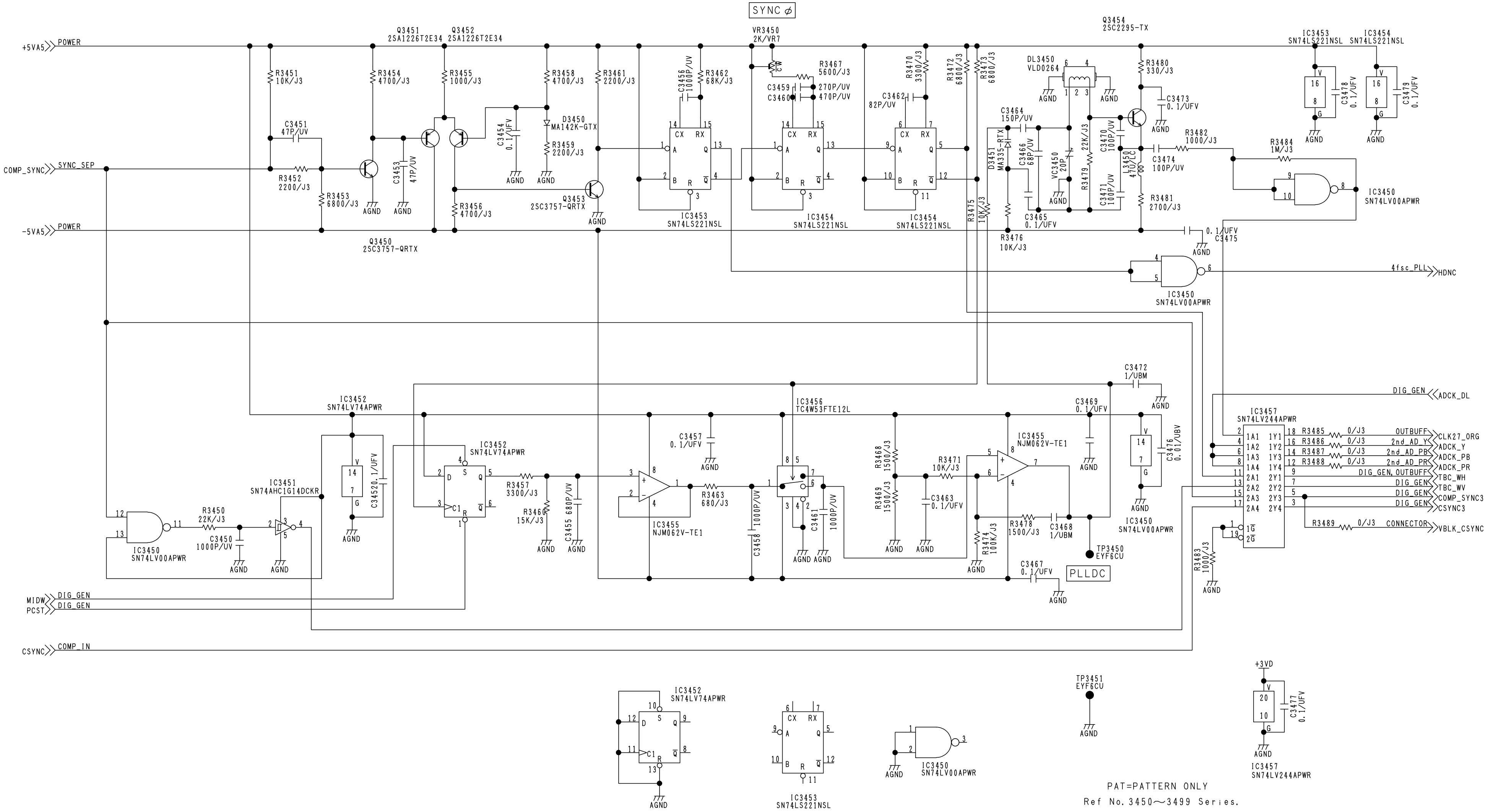
PAT=PATTERN ONLY

Ref No.3400〜3449 Series.

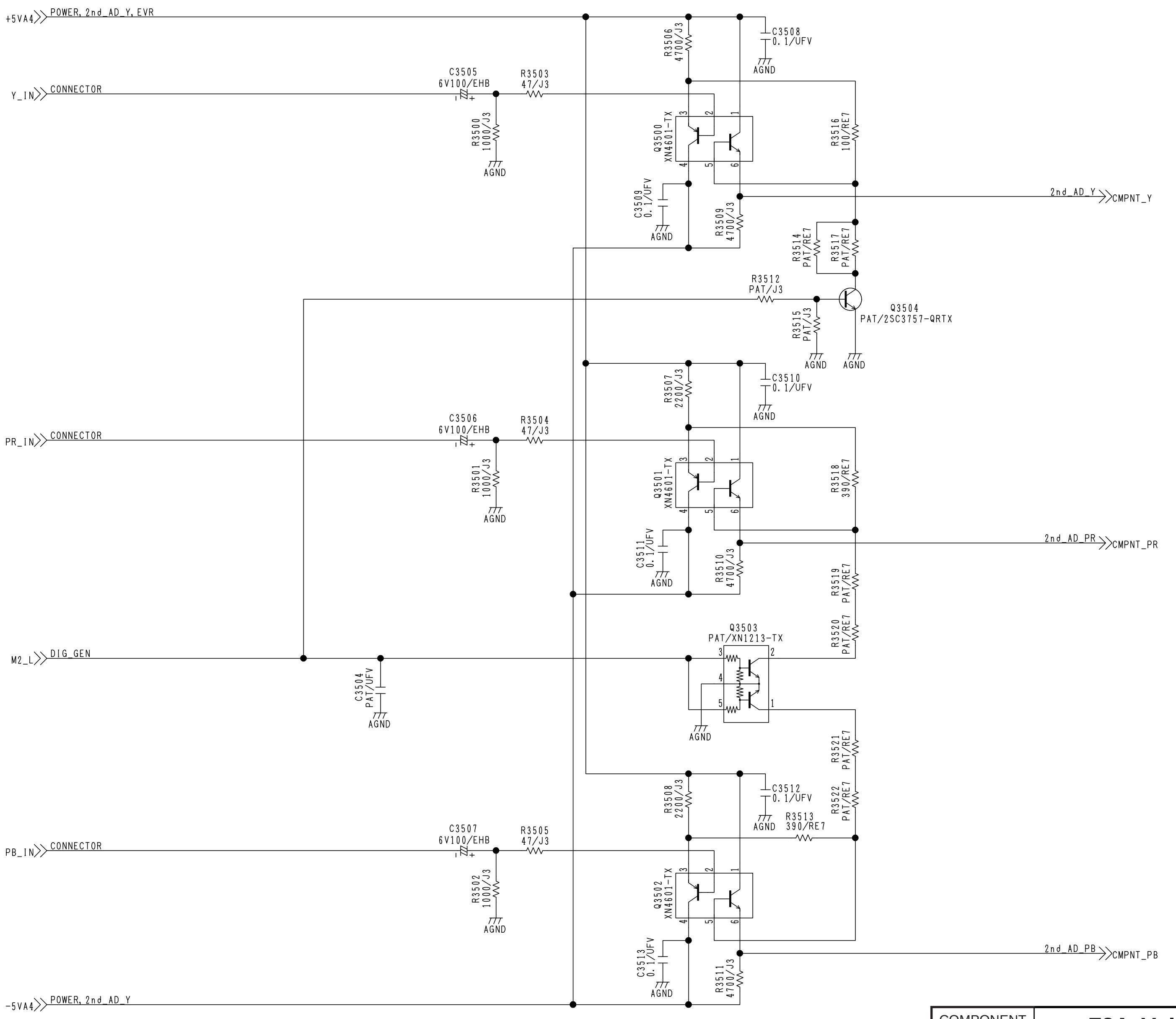
COMPONENT NAME	F2A: V_IN(SYNC_SEP)	09/19
CIRCUIT BOARD NO.	DRAWING NO.	
VEP83594A (AJ-YA932G : OPTION)	KR30325 (9/19) (0) **SCM182**	

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15


SYNC ϕ
+5VA5 POWER
COMP_SYNC SYNC_SEP
-5VA5 POWER
Q3451 2SA1226T2E34
Q3452 2SA1226T2E34
Q3450 2SC3757-QRTX
Q3453 2SC3757-QRTX
Q3454 2SC2295-TX
R3451 10K/J3
C3451 47P/UV
R3452 2200/J3
R3453 6800/J3
C3453 47P/UV
R3454 4700/J3
R3455 1000/J3
R3456 4700/J3
C3454 0.1/UFV
R3458 4700/J3
D3450 MA142K-GTX
R3459 2200/J3
R3461 2200/J3
C3456 100P/UV
R3462 68K/J3
VR3450 2K/VR7
R3467 5600/J3
C3459 270P/UV
C3460 470P/UV
C3462 82P/UV
R3470 3300/J3
R3472 6800/J3
R3473 6800/J3
R3475 10K/J3
R3476 10K/J3
DL3450 VLD0264
C3464 150P/UV
D3451 MA335-RTX
C3466 68P/UV
VC3450 20P
R3479 22K/J3
C3470 100P/UV
C3471 100P/UV
L3450 470/LC
C3465 0.1/UFV
R3480 330/J3
C3473 0.1/UFV
C3474 100P/UV
R3481 2700/J3
R3482 1000/J3
R3484 1M/J3
C3475 0.1/UFV
C3478 0.1/UFV
C3479 0.1/UFV
IC3453 SN74LS221NSL
IC3454 SN74LS221NSL
IC3450 SN74LV00APWR
4fsc_PLL HDNC
C3472 1/UBM
C3469 0.1/UFV
DIG_GEN ADCK_DL
IC3452 SN74LV74APWR
IC3451 SN74AHC1G14DCKR
R3450 22K/J3
C3450 1000P/UV
C3452 0.1/UFV
R3457 3300/J3
R3460 15K/J3
C3455 680P/UV
C3457 0.1/UFV
IC3455 NJM062V-TE1
R3463 680/J3
IC3456 TC4W53FTE12L
C3458 1000P/UV
C3461 1000P/UV
R3468 1500/J3
R3469 1500/J3
R3471 10K/J3
C3463 0.1/UFV
R3474 100K/J3
R3478 1500/J3
C3468 1/UBM
C3467 0.1/UFV
TP3450 EYF6CU
PLLDC
C3476 0.01/UBV
IC3457 SN74LV244APWR
R3485 0/J3 OUTBUFF CLK27_ORG
R3486 0/J3 2nd_AD_Y ADCK_Y
R3487 0/J3 2nd_AD_PB ADCK_PB
R3488 0/J3 2nd_AD_PR ADCK_PR
DIG_GEN, OUTBUFF TBC_WH
DIG_GEN TBC_WV
DIG_GEN COMP_SYNC3
DIG_GEN CSYNC3
R3489 0/J3 CONNECTOR VBLK_CSYNC
R3483 1000/J3
MIDW DIG_GEN
PCST DIG_GEN
CSYNC COMP_IN
TP3451 EYF6CU
+3VD
C3477 0.1/UFV
AGND

PAT=PATTERN ONLY
Ref No. 3450～3499 Series.

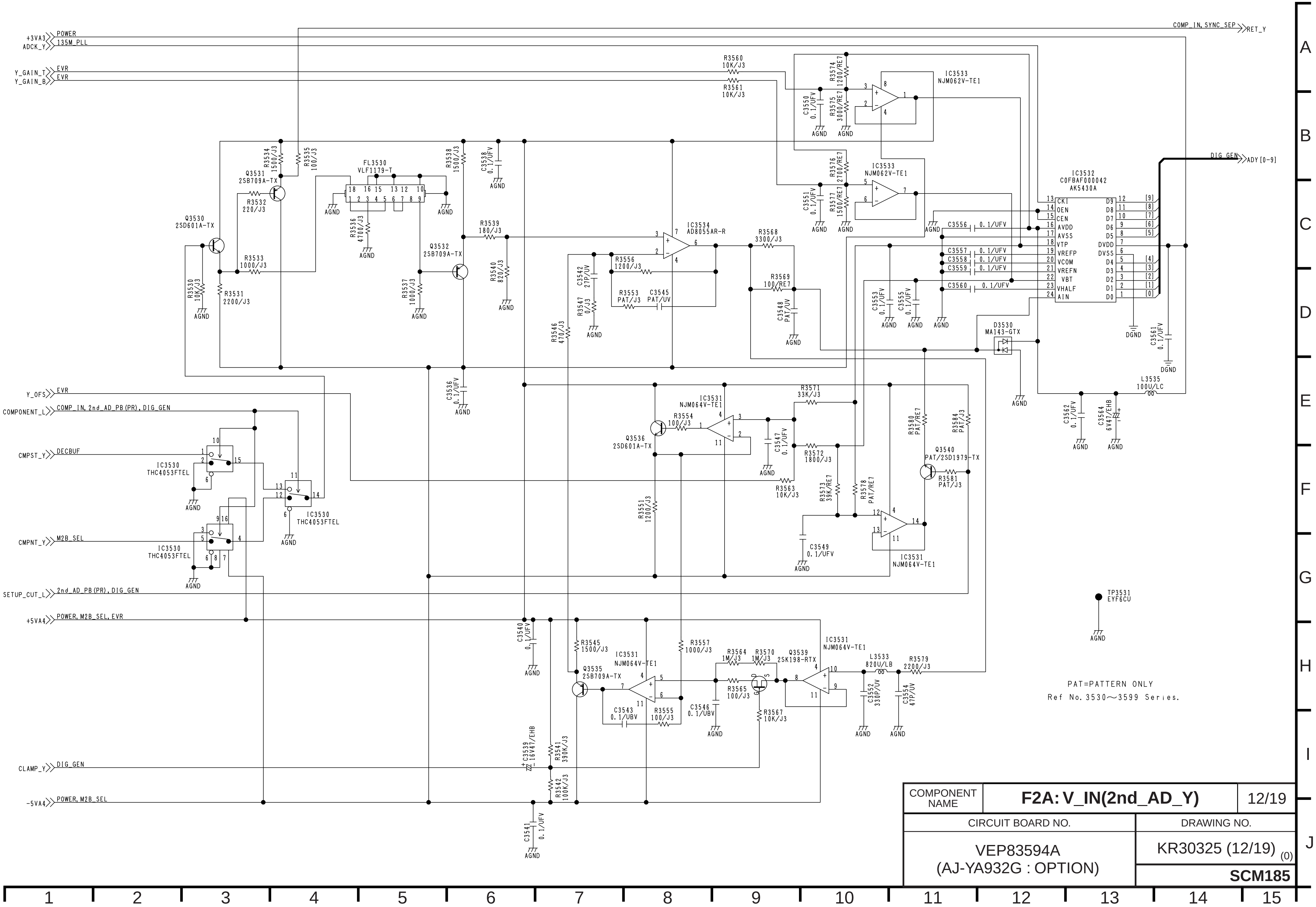
COMPONENT NAME	F2A: V_IN(135M_PLL)	10/19
CIRCUIT BOARD NO.	DRAWING NO.	
VEP83594A (AJ-YA932G : OPTION)	KR30325 (10/19) (0) **SCM183**	


+5VA4
POWER, 2nd_AD_Y, EVR
Y_IN
CONNECTOR
C3505
6V100/EHB
R3503
47/J3
R3500
1000/J3
AGND
R3506
4700/J3
C3508
0.1/UFV
Q3500
XN4601-TX
R3516
100/RE7
C3509
0.1/UFV
R3509
4700/J3
2nd_AD_Y
CMPNT_Y
R3514
PAT/RE7
R3517
PAT/RE7
R3512
PAT/J3
Q3504
PAT/2SC3757-QRTX
R3515
PAT/J3
R3507
2200/J3
C3510
0.1/UFV
PR_IN
CONNECTOR
C3506
6V100/EHB
R3504
47/J3
R3501
1000/J3
Q3501
XN4601-TX
R3518
390/RE7
C3511
0.1/UFV
R3510
4700/J3
2nd_AD_PR
CMPNT_PR
R3519
PAT/RE7
Q3503
PAT/XN1213-TX
R3520
PAT/RE7
M2_L
DIG_GEN
C3504
PAT/UFV
R3521
PAT/RE7
R3508
2200/J3
C3512
0.1/UFV
R3513
390/RE7
R3522
PAT/RE7
PB_IN
CONNECTOR
C3507
6V100/EHB
R3505
47/J3
R3502
1000/J3
Q3502
XN4601-TX
C3513
0.1/UFV
R3511
4700/J3
2nd_AD_PB
CMPNT_PB
-5VA4
POWER, 2nd_AD_Y

PAT=PATTERN ONLY

Ref No.3500～3529 Series.

COMPONENT NAME	F2A: V_IN(M2B_SEL)	11/19
CIRCUIT BOARD NO.	DRAWING NO.	
VEP83594A (AJ-YA932G : OPTION)	KR30325 (11/19) (0) **SCM184**	


+3VA3
POWER
ADCK_Y
135M_PLL
Y_GAIN_T
Y_GAIN_B
EVR
COMP_IN, SYNC_SEP
RET_Y
DIG_GEN
ADY[0-9]
R3560 10K/J3
R3561 10K/J3
R3574 1200/RE7
R3575 3000/RE7
C3550 0.1/UFV
IC3533 NJM062V-TE1
R3576 2700/RE7
R3577 1500/RE7
C3551 0.1/UFV
IC3532 C0FBAF000042 AK5430A
CKI
OEN
CEN
AVDD
AVSS
VTP
VREFP
VCOM
VREFN
VBT
VHALF
AIN
D9
D8
D7
D6
D5
DVDD
DVSS
D4
D3
D2
D1
D0
C3556 0.1/UFV
C3557 0.1/UFV
C3558 0.1/UFV
C3559 0.1/UFV
C3560 0.1/UFV
C3553 0.1/UFV
C3555 0.1/UFV
C3561 0.1/UFV
D3530 MA143-GTX
L3535 100U/LC
C3562 0.1/UFV
C3564 6V47/EHB
DGND
AGND
R3534 1500/J3
R3535 100/J3
Q3531 2SB709A-TX
R3532 220/J3
FL3530 VLF1179-T
R3536 4700/J3
R3538 1500/J3
C3538 0.1/UFV
Q3530 2SD601A-TX
R3533 1000/J3
R3531 2200/J3
R3530 10K/J3
R3539 180/J3
Q3532 2SB709A-TX
R3537 1000/J3
R3540 820/J3
C3536 0.1/UFV
IC3534 AD8055AR-R
R3568 3300/J3
R3556 1200/J3
R3553 PAT/J3
C3545 PAT/UV
C3542 27P/UV
R3547 0/J3
R3546 470/J3
R3569 100/RE7
C3548 PAT/UV
Y_OFS
COMPONENT_L
COMP_IN, 2nd_AD_PB(PR), DIG_GEN
CMPST_Y
DECBUF
IC3530 THC4053FTEL
CMPNT_Y
M2B_SEL
SETUP_CUT_L
2nd_AD_PB(PR), DIG_GEN
+5VA4
POWER, M2B_SEL, EVR
CLAMP_Y
DIG_GEN
-5VA4
POWER, M2B_SEL
IC3531 NJM064V-TE1
R3554 100/J3
Q3536 2SD601A-TX
R3571 33K/J3
C3547 0.1/UFV
R3572 1800/J3
R3563 10K/J3
R3551 1200/J3
R3573 39K/RE7
R3578 PAT/RE7
R3580 PAT/RE7
R3584 PAT/J3
Q3540 PAT/2SD1979-TX
R3581 PAT/J3
C3549 0.1/UFV
TP3531 EYF6CU
C3540 0.1/UFV
R3545 1500/J3
Q3535 2SB709A-TX
C3543 0.1/UBV
R3555 100/J3
R3557 1000/J3
R3564 1M/J3
R3570 1M/J3
Q3539 2SK198-RTX
R3565 100/J3
C3546 0.1/UBV
R3567 10K/J3
L3533 820U/LB
R3579 2200/J3
C3552 330P/UV
C3554 47P/UV
C3539 16V47/EHB
R3541 390K/J3
R3542 100K/J3
C3541 0.1/UFV
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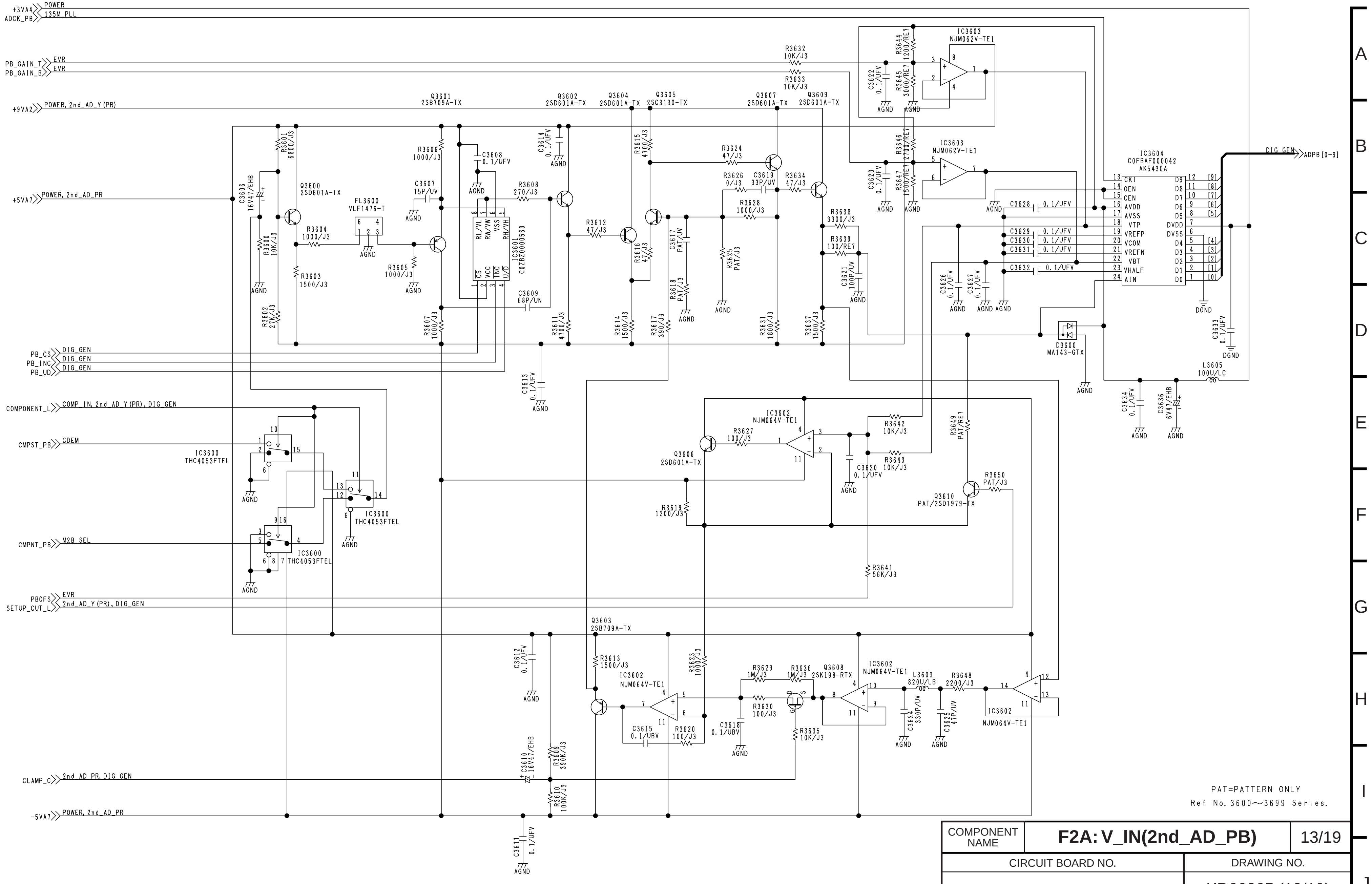
PAT=PATTERN ONLY
Ref No.3530〜3599 Series.

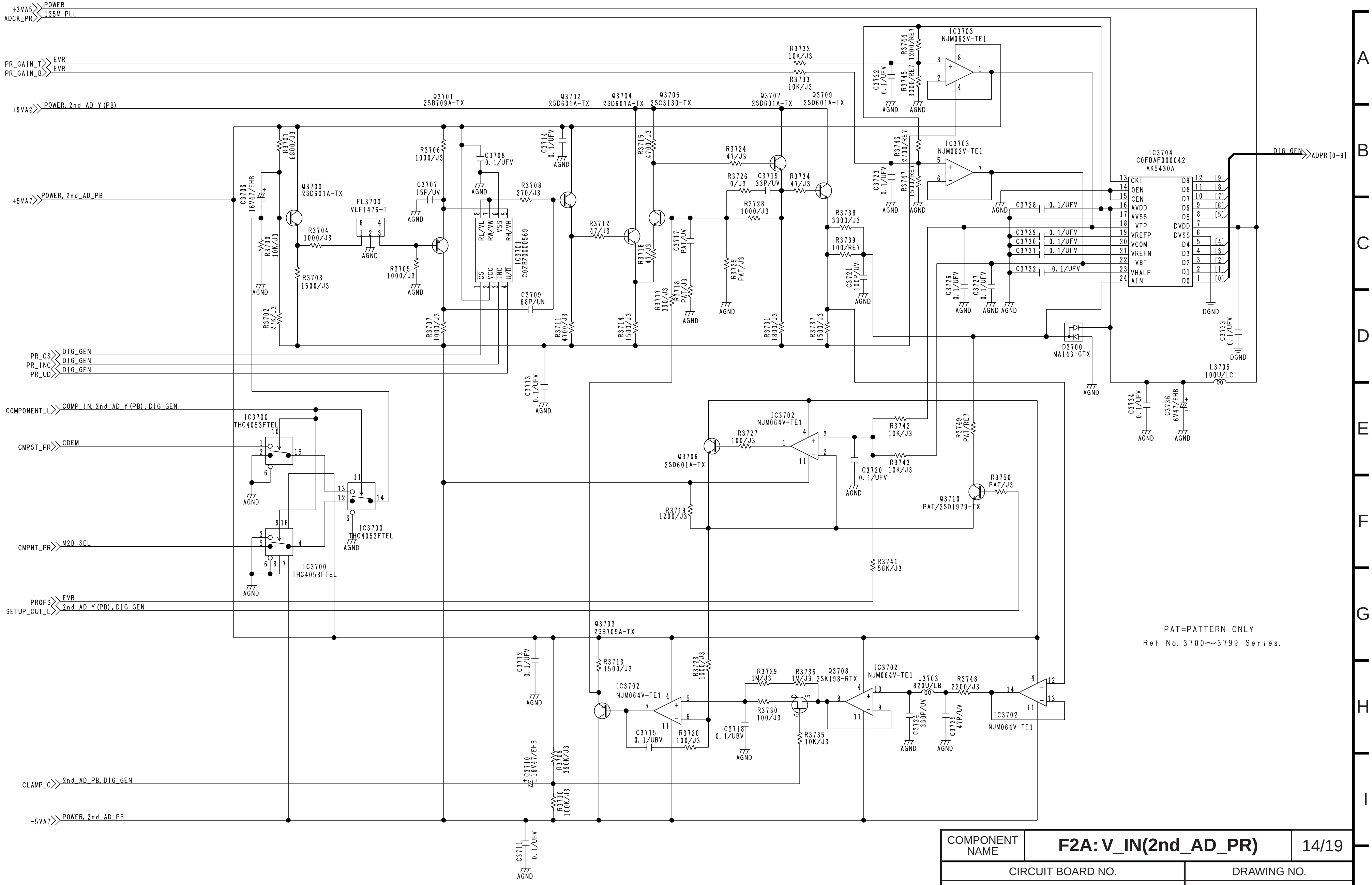
COMPONENT NAME	F2A: V_IN(2nd_AD_Y)	12/19
CIRCUIT BOARD NO.	DRAWING NO.	
VEP83594A (AJ-YA932G : OPTION)	KR30325 (12/19) (0)	
	SCM185	


+3VA4 POWER
ADCK_PB 135M_PLL
PB_GAIN_T EVR
PB_GAIN_B EVR
+9VA2 POWER, 2nd_AD_Y (PR)
+5VA7 POWER, 2nd_AD_PR
PB_CS DIG_GEN
PB_INC DIG_GEN
PB_UD DIG_GEN
COMPONENT_L COMP_IN, 2nd_AD_Y (PR), DIG_GEN
CMPST_PB CDEM
CMPNT_PB M2B_SEL
PBOFS EVR
SETUP_CUT_L 2nd_AD_Y (PR), DIG_GEN
CLAMP_C 2nd_AD_PR, DIG_GEN
-5VA7 POWER, 2nd_AD_PR
DIG_GEN ADPB[0-9]
Q3601 2SB709A-TX
Q3602 2SD601A-TX
Q3604 2SD601A-TX
Q3605 2SC3130-TX
Q3607 2SD601A-TX
Q3609 2SD601A-TX
Q3600 2SD601A-TX
Q3606 2SD601A-TX
Q3603 2SB709A-TX
Q3608 2SK198-RTX
Q3610 PAT/2SD1979-TX
IC3603 NJM062V-TE1
IC3602 NJM064V-TE1
IC3604 C0FBAF000042 AK5430A
IC3601 C0ZBZ0000569
IC3600 THC4053FTEL
FL3600 VLF1476-T
D3600 MA143-GTX
L3605 100U/LC
L3603 820U/LB
R3601 6800/J3
R3600 10K/J3
R3602 27K/J3
R3603 1500/J3
R3604 1000/J3
R3605 1000/J3
R3606 1000/J3
R3607 1000/J3
R3608 270/J3
R3609 390K/J3
R3610 100K/J3
R3611 4700/J3
R3612 47/J3
R3613 1500/J3
R3614 1500/J3
R3615 4700/J3
R3616 47/J3
R3617 390/J3
R3618 PAT/J3
R3619 1200/J3
R3620 100/J3
R3623 1000/J3
R3624 47/J3
R3625 PAT/J3
R3626 0/J3
R3627 100/J3
R3628 1000/J3
R3629 1M/J3
R3630 100/J3
R3631 1800/J3
R3632 10K/J3
R3633 10K/J3
R3634 47/J3
R3635 10K/J3
R3636 1M/J3
R3637 1500/J3
R3638 3300/J3
R3639 100/RE7
R3641 56K/J3
R3642 10K/J3
R3643 10K/J3
R3644 1200/RE7
R3645 3000/RE7
R3646 2700/RE7
R3647 1500/RE7
R3648 2200/J3
R3649 PAT/RE7
R3650 PAT/J3
C3606 16V47/EHB
C3607 15P/UV
C3608 0.1/UFV
C3609 68P/UN
C3610 16V47/EHB
C3611 0.1/UFV
C3612 0.1/UFV
C3613 0.1/UFV
C3614 0.1/UFV
C3615 0.1/UBV
C3617 PAT/UV
C3618 0.1/UBV
C3619 33P/UV
C3620 0.1/UFV
C3621 100P/UV
C3622 0.1/UFV
C3623 0.1/UFV
C3624 330P/UV
C3625 47P/UV
C3626 0.1/UFV
C3627 0.1/UFV
C3628 0.1/UFV
C3629 0.1/UFV
C3630 0.1/UFV
C3631 0.1/UFV
C3632 0.1/UFV
C3633 0.1/UFV
C3634 0.1/UFV
C3636 6V47/EHB
CKI OEN CEN AVDD AVSS VTP VREFP VCOM VREFN VBT VHALF AIN
D9 D8 D7 D6 D5 DVDD DVSS D4 D3 D2 D1 D0
RL/VL RW/VW VSS RH/VH CS VCC INC U/D
AGND
DGND
A B C D E F G H I J
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

PAT=PATTERN ONLY

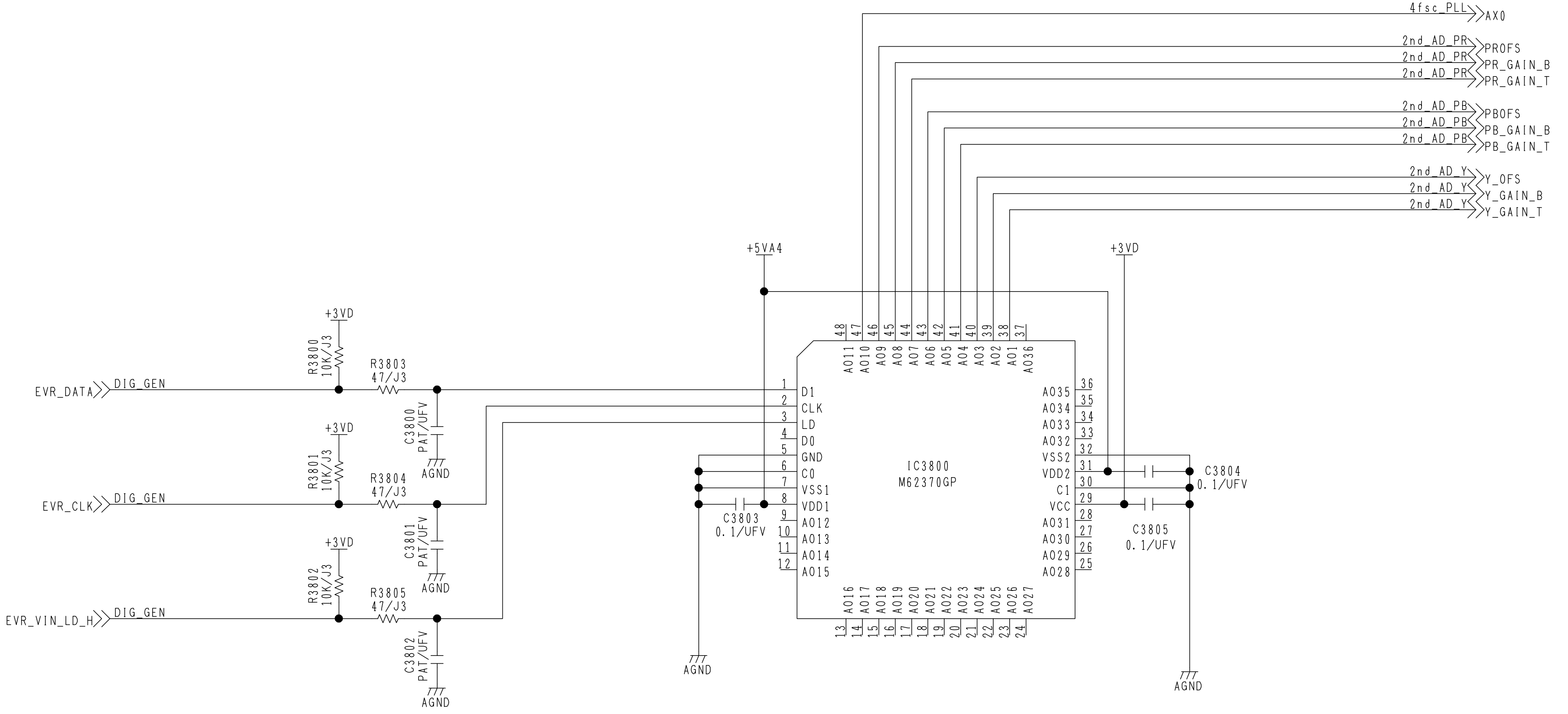
Ref No. 3600～3699 Series.

COMPONENT NAME	F2A: V_IN(2nd_AD_PB)	13/19
CIRCUIT BOARD NO.	DRAWING NO.	
VEP83594A (AJ-YA932G : OPTION)	KR30325 (13/19) (0)	
	SCM186	


+3VA5 POWER
ADCK_PR 135M_PLL
PR_GAIN_T EVR
PR_GAIN_B EVR
+9VA2 POWER, 2nd_AD_Y(PB)
+5VA7 POWER, 2nd_AD_PB
PR_CS DIG_GEN
PR_INC DIG_GEN
PR_UD DIG_GEN
COMPONENT_L COMP_IN, 2nd_AD_Y(PB), DIG_GEN
CMPST_PR CDEM
CMPNT_PR M2B_SEL
PROFS EVR
SETUP_CUT_L 2nd_AD_Y(PB), DIG_GEN
CLAMP_C 2nd_AD_PB, DIG_GEN
-5VA7 POWER, 2nd_AD_PB
DIG_GEN ADPR[0-9]
Q3700 2SD601A-TX
Q3701 2SB709A-TX
Q3702 2SD601A-TX
Q3703 2SB709A-TX
Q3704 2SD601A-TX
Q3705 2SC3130-TX
Q3706 2SD601A-TX
Q3707 2SD601A-TX
Q3708 2SK198-RTX
Q3709 2SD601A-TX
Q3710 PAT/2SD1979-TX
IC3700 THC4053FTEL
IC3701 C0ZBZ0000569
IC3702 NJM064V-TE1
IC3703 NJM062V-TE1
IC3704 C0FBAF000042 AK5430A
FL3700 VLF1476-T
D3700 MA143-GTX
L3703 820U/LB
L3705 100U/LC
R3700 10K/J3
R3701 6800/J3
R3702 27K/J3
R3703 1500/J3
R3704 1000/J3
R3705 1000/J3
R3706 1000/J3
R3707 1000/J3
R3708 270/J3
R3709 390K/J3
R3710 100K/J3
R3711 4700/J3
R3712 47/J3
R3713 1500/J3
R3714 1500/J3
R3715 4700/J3
R3716 47/J3
R3717 390/J3
R3718 PAT/J3
R3719 1200/J3
R3720 100/J3
R3723 1000/J3
R3724 47/J3
R3725 PAT/J3
R3726 0/J3
R3727 100/J3
R3728 1000/J3
R3729 1M/J3
R3730 100/J3
R3731 1800/J3
R3732 10K/J3
R3733 10K/J3
R3734 47/J3
R3735 10K/J3
R3736 1M/J3
R3737 1500/J3
R3738 3300/J3
R3739 100/RE7
R3741 56K/J3
R3742 10K/J3
R3743 10K/J3
R3744 1200/RE7
R3745 3000/RE7
R3746 2700/RE7
R3747 1500/RE7
R3748 2200/J3
R3749 PAT/RE7
R3750 PAT/J3
C3706 16V47/EHB
C3707 15P/UV
C3708 0.1/UFV
C3709 68P/UN
C3710 16V47/EHB
C3711 0.1/UFV
C3712 0.1/UFV
C3713 0.1/UFV
C3714 0.1/UFV
C3715 0.1/UBV
C3717 PAT/UV
C3718 0.1/UBV
C3719 33P/UV
C3720 0.1/UFV
C3721 100P/UV
C3722 0.1/UFV
C3723 0.1/UFV
C3724 330P/UV
C3725 47P/UV
C3726 0.1/UFV
C3727 0.1/UFV
C3728 0.1/UFV
C3729 0.1/UFV
C3730 0.1/UFV
C3731 0.1/UFV
C3732 0.1/UFV
C3733 0.1/UFV
C3734 0.1/UFV
C3736 6V47/EHB
CKI OEN CEN AVDD AVSS VTP VREFP VCOM VREFN VBT VHALF AIN
D9 D8 D7 D6 D5 DVDD DVSS D4 D3 D2 D1 D0
RL/VL RW/VW VSS RH/VH CS VCC TNC U/D
AGND
DGND
A B C D E F G H I J
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

PAT=PATTERN ONLY
Ref No.3700～3799 Series.

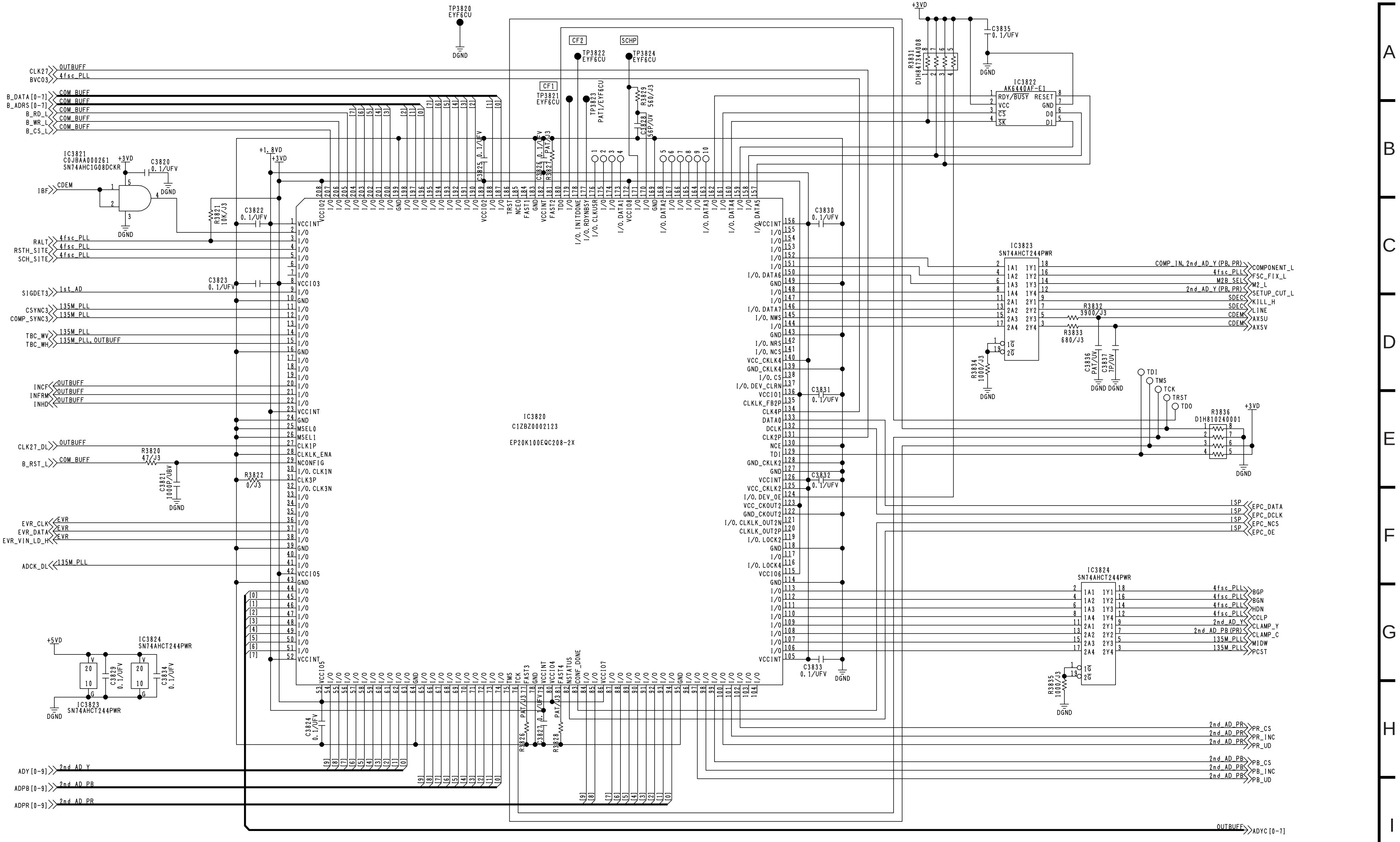
COMPONENT NAME	F2A: V_IN(2nd_AD_PR)	14/19
CIRCUIT BOARD NO.	DRAWING NO.	
VEP83594A (AJ-YA932G : OPTION)	KR30325 (14/19) (0) SCM187	


4fsc_PLL
AX0
2nd_AD_PR
PROFS
2nd_AD_PR
PR_GAIN_B
2nd_AD_PR
PR_GAIN_T
2nd_AD_PB
PBOFS
2nd_AD_PB
PB_GAIN_B
2nd_AD_PB
PB_GAIN_T
2nd_AD_Y
Y_OFS
2nd_AD_Y
Y_GAIN_B
2nd_AD_Y
Y_GAIN_T
+5VA4
+3VD
+3VD
R3800
10K/J3
R3803
47/J3
EVR_DATA
DIG_GEN
C3800
PAT/UFV
AGND
+3VD
R3801
10K/J3
R3804
47/J3
EVR_CLK
DIG_GEN
C3801
PAT/UFV
AGND
+3VD
R3802
10K/J3
R3805
47/J3
EVR_VIN_LD_H
DIG_GEN
C3802
PAT/UFV
AGND
IC3800
M62370GP
1 D1
2 CLK
3 LD
4 D0
5 GND
6 C0
7 VSS1
8 VDD1
9 AO12
10 AO13
11 AO14
12 AO15
13 AO16
14 AO17
15 AO18
16 AO19
17 AO20
18 AO21
19 AO22
20 AO23
21 AO24
22 AO25
23 AO26
24 AO27
25 AO28
26 AO29
27 AO30
28 AO31
29 VCC
30 C1
31 VDD2
32 VSS2
33 AO32
34 AO33
35 AO34
36 AO35
37 AO36
38 AO1
39 AO2
40 AO3
41 AO4
42 AO5
43 AO6
44 AO7
45 AO8
46 AO9
47 AO10
48 AO11
C3803
0.1/UFV
AGND
C3804
0.1/UFV
C3805
0.1/UFV
AGND

PAT=PATTERN ONLY

Ref No.3800～3819 Series.

COMPONENT NAME	**F2A: V_IN(EVR)**	15/19
CIRCUIT BOARD NO.	DRAWING NO.	
VEP83594A (AJ-YA932G : OPTION)	KR30325 (15/19) (0) **SCM188**	


IC3820
C1ZBZ0002123
EP20K100EQC208-2X
IC3821
C0JBAA000261
SN74AHC1G08DCKR
IC3822
AK6440AF-E1
IC3823
SN74AHCT244PWR
IC3824
SN74AHCT244PWR
TP3820 EYF6CU
TP3821 EYF6CU
TP3822 EYF6CU
TP3823 PAT1/EYF6CU
TP3824 EYF6CU
CF1
CF2
SCHP
R3820 47/J3
R3821 10K/J3
R3822 0/J3
R3829 560/J3
R3831 D1H84734A008
R3832 3900/J3
R3833 680/J3
R3834 1000/J3
R3835 1000/J3
R3836 D1H810240001
C3820 0.1/UFV
C3821 1000P/UBV
C3822 0.1/UFV
C3823 0.1/UFV
C3824 0.1/UFV
C3825 0.1/UFV
C3828 56P/UV
C3829 0.1/UFV
C3830 0.1/UFV
C3831 0.1/UFV
C3832 0.1/UFV
C3833 0.1/UFV
C3834 0.1/UFV
C3835 0.1/UFV
C3836 PAT/UV
C3837 TP/UV
+3VD
+1.8VD
+5VD
DGND
CLK27
BVC03
B_DATA[0-7]
B_ADRS[0-7]
B_RD_L
B_WR_L
B_CS_L
IBF
RALT
RSTH_SITE
SCH_SITE
SIGDET3
CSYNC3
COMP_SYNC3
TBC_WV
TBC_WH
INCF
INFRM
INHD
CLK27_DL
B_RST_L
EVR_CLK
EVR_DATA
EVR_VIN_LD_H
ADCK_DL
ADY[0-9]
ADPB[0-9]
ADPR[0-9]
COMPONENT_L
FSC_FIX_L
M2_L
SETUP_CUT_L
KILL_H
LINE
AXSU
AXSV
TDI
TMS
TCK
TRST
TDO
EPC_DATA
EPC_DCLK
EPC_NCS
EPC_OE
BGP
BGN
HDN
CCLP
CLAMP_Y
CLAMP_C
MIDW
PCST
PR_CS
PR_INC
PR_UD
PB_CS
PB_INC
PB_UD
ADYC[0-7]
A
B
C
D
E
F
G
H
I
J
1
2
3
4
5
6
7
8
9
10
11
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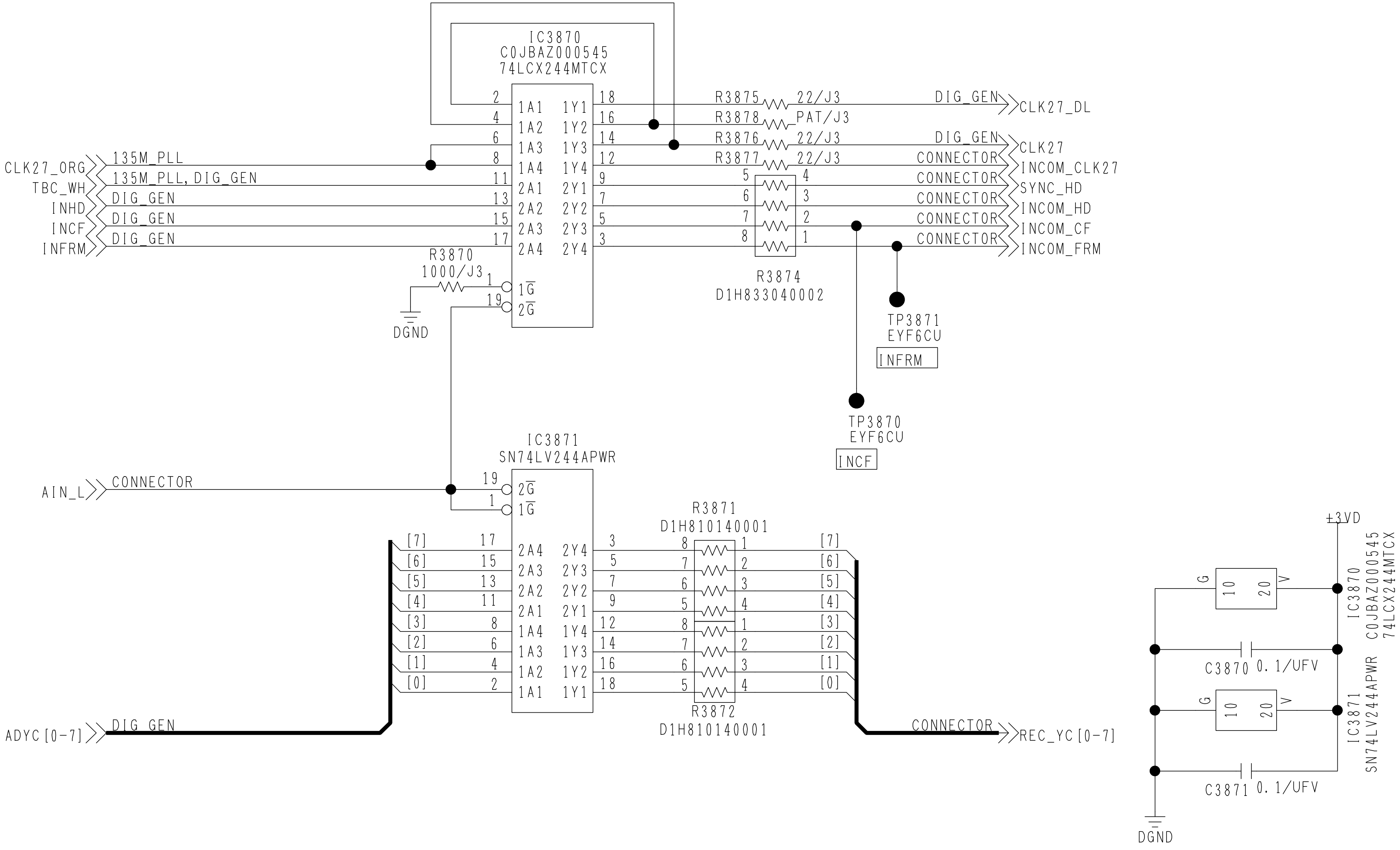
13
14
15

PAT=PATTERN ONLY

Ref No.3820～3869 Series.

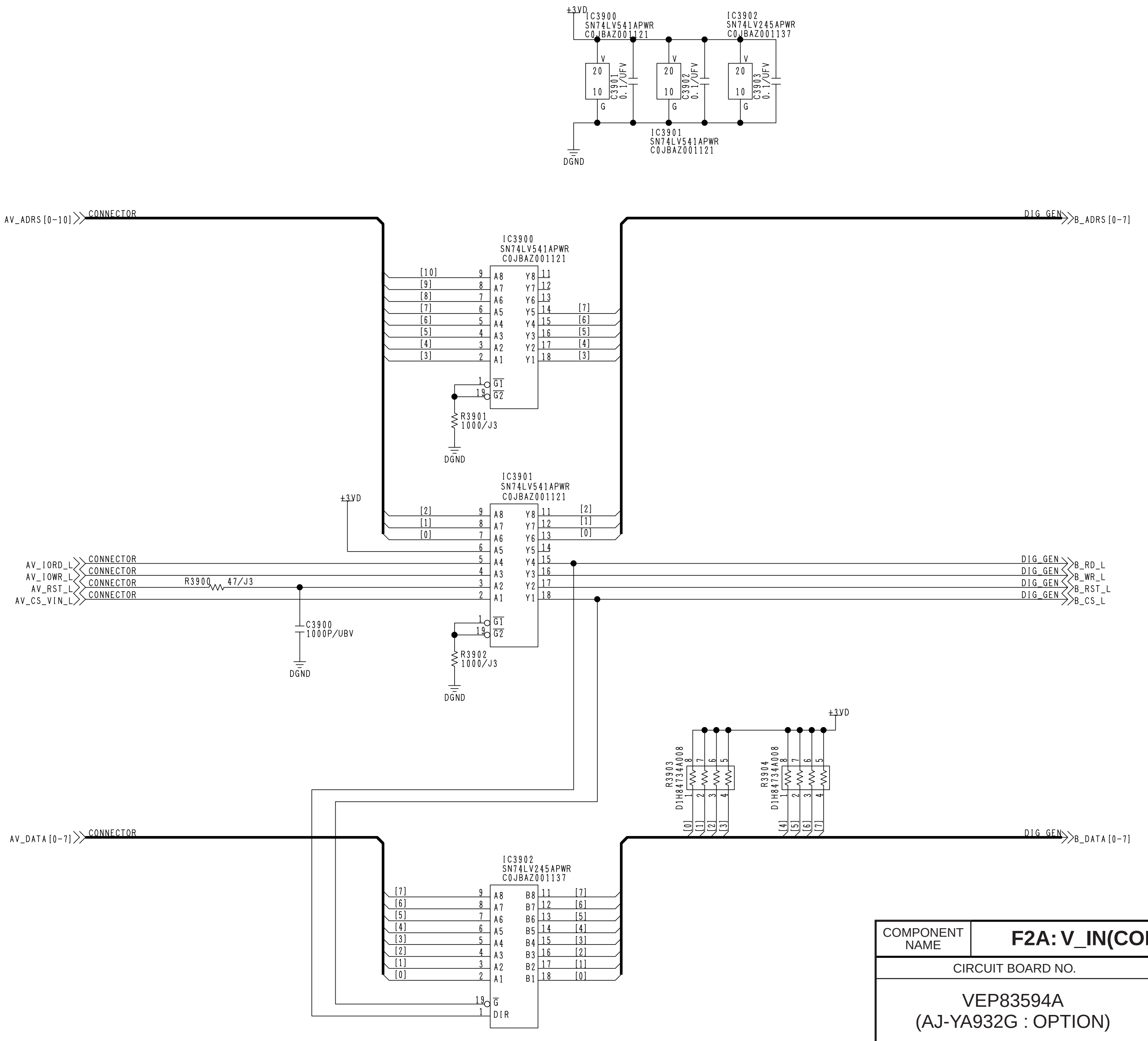
COMPONENT NAME	F2A: V_IN(DIG_GEN)	16/19
CIRCUIT BOARD NO.	DRAWING NO.	
VEP83594A (AJ-YA932G : OPTION)	KR30325 (16/19) (0) SCM189	


IC3870
C0JBAZ000545
74LCX244MTCX
1A1 1A2 1A3 1A4 2A1 2A2 2A3 2A4
1Y1 1Y2 1Y3 1Y4 2Y1 2Y2 2Y3 2Y4
1G 2G
CLK27_ORG
TBC_WH
INHD
INCF
INFRM
135M_PLL
135M_PLL, DIG_GEN
DIG_GEN
R3870
1000/J3
DGND
R3875 22/J3
R3878 PAT/J3
R3876 22/J3
R3877 22/J3
DIG_GEN CLK27_DL
DIG_GEN CLK27
CONNECTOR INCOM_CLK27
CONNECTOR SYNC_HD
CONNECTOR INCOM_HD
CONNECTOR INCOM_CF
CONNECTOR INCOM_FRM
R3874
D1H833040002
TP3871
EYF6CU
INFRM
TP3870
EYF6CU
INCF
IC3871
SN74LV244APWR
AIN_L CONNECTOR
R3871
D1H810140001
R3872
D1H810140001
ADYC[0-7] DIG_GEN
CONNECTOR REC_YC[0-7]
[7] [6] [5] [4] [3] [2] [1] [0]
+3VD
G 10 20 V
IC3870
C0JBAZ000545
74LCX244MTCX
C3870 0.1/UFV
IC3871
SN74LV244APWR
C3871 0.1/UFV
DGND

PAT=PATTERN ONLY

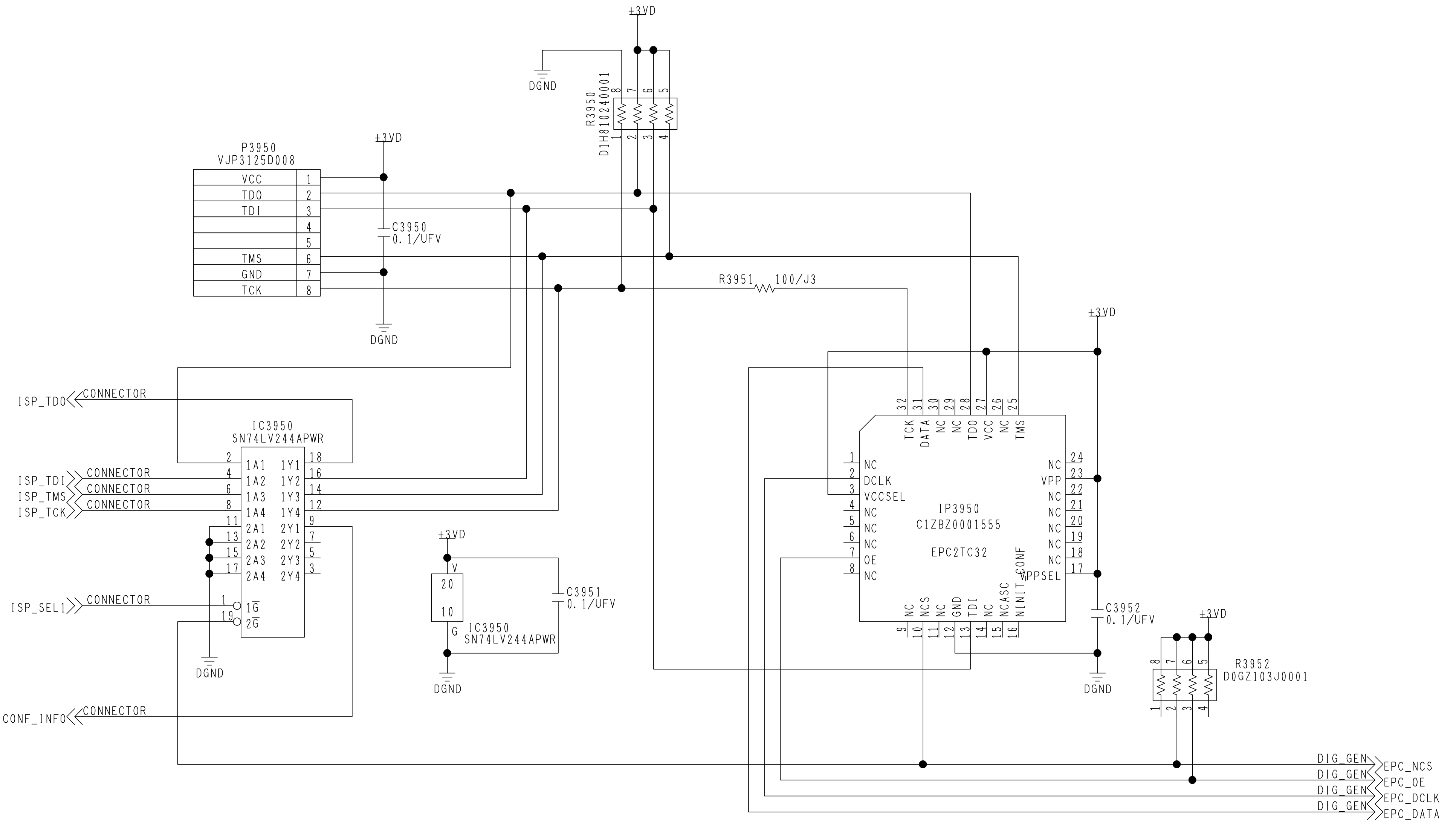
Ref No. 3870～3899 Series.

COMPONENT NAME	**F2A: V_IN(OUTBUFF)**	17/19
CIRCUIT BOARD NO.		DRAWING NO.
VEP83594A (AJ-YA932G : OPTION)		KR30325 (17/19) (0) **SCM190**


+3VD
IC3900
SN74LV541APWR
C0JBAZ001121
IC3902
SN74LV245APWR
C0JBAZ001137
C3901 0.1/UFV
C3902 0.1/UFV
C3903 0.1/UFV
IC3901
SN74LV541APWR
C0JBAZ001121
DGND
AV_ADRS[0-10]
CONNECTOR
DIG_GEN
B_ADRS[0-7]
A8 A7 A6 A5 A4 A3 A2 A1
Y8 Y7 Y6 Y5 Y4 Y3 Y2 Y1
G1
G2
R3901 1000/J3
R3902 1000/J3
AV_IORD_L
AV_IOWR_L
AV_RST_L
AV_CS_VIN_L
R3900 47/J3
C3900 1000P/UBV
B_RD_L
B_WR_L
B_RST_L
B_CS_L
R3903 D1H84734A008
R3904 D1H84734A008
AV_DATA[0-7]
B_DATA[0-7]
B8 B7 B6 B5 B4 B3 B2 B1
G
DIR

PAT=PATTERN ONLY
Ref No. 3900～3949 Series.

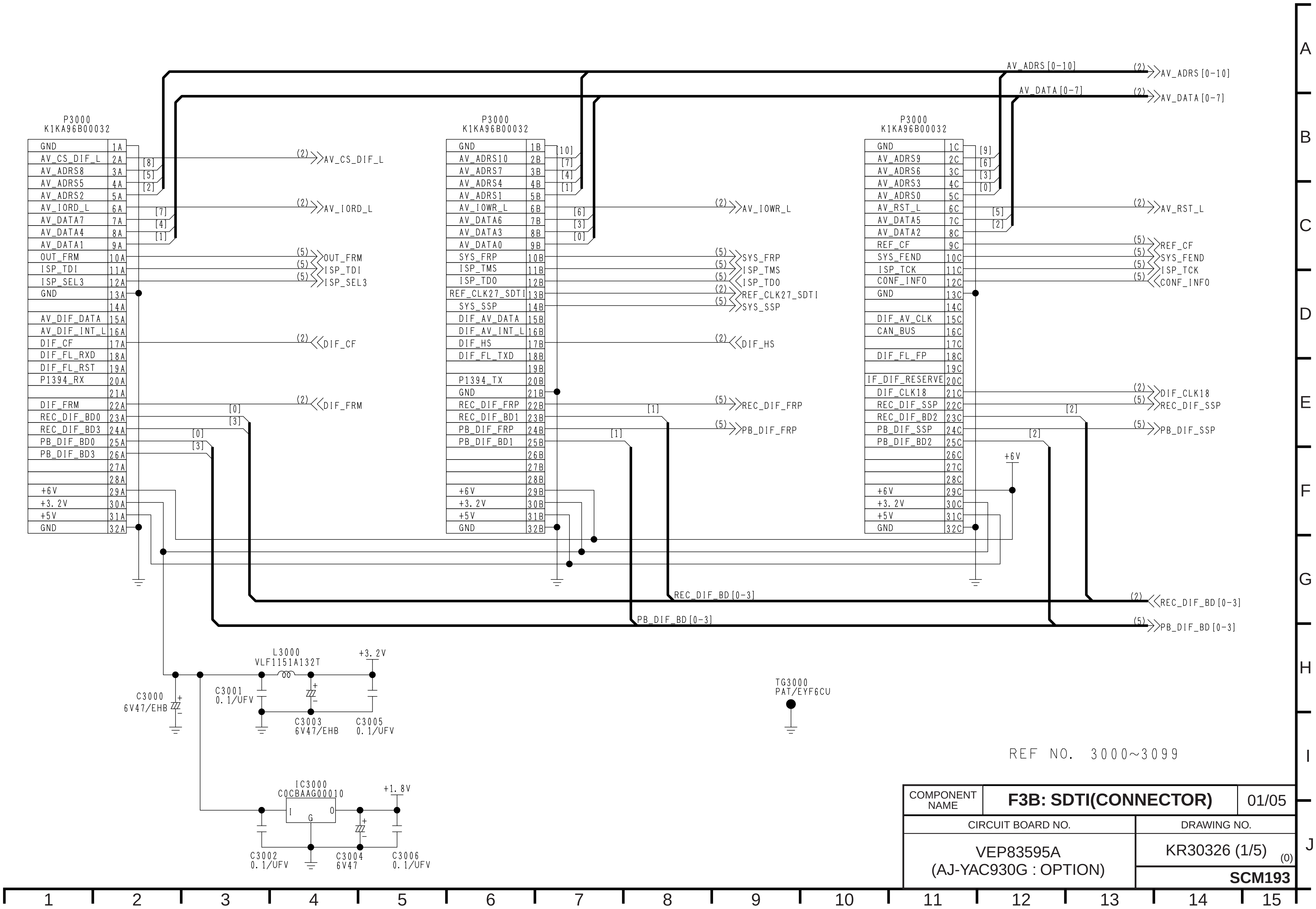
COMPONENT NAME	F2A: V_IN(COM_BUFF)	18/19
CIRCUIT BOARD NO.	DRAWING NO.	
VEP83594A (AJ-YA932G : OPTION)	KR30325 (18/19) (0) **SCM191**	


+3VD
DGND
R3950
D1H810240001
P3950
VJP3125D008
VCC
TDO
TDI
TMS
GND
TCK
C3950
0.1/UFV
R3951 100/J3
ISP_TDO
CONNECTOR
IC3950
SN74LV244APWR
1A1
1A2
1A3
1A4
2A1
2A2
2A3
2A4
1Y1
1Y2
1Y3
1Y4
2Y1
2Y2
2Y3
2Y4
1G
2G
ISP_TDI
ISP_TMS
ISP_TCK
ISP_SEL1
CONF_INFO
C3951
0.1/UFV
IP3950
C1ZBZ0001555
EPC2TC32
DATA
NCS
NC
DCLK
VCCSEL
OE
VPP
VPPSEL
NCASC
NINIT_CONF
C3952
0.1/UFV
R3952
D0GZ103J0001
DIG_GEN
EPC_NCS
EPC_OE
EPC_DCLK
EPC_DATA

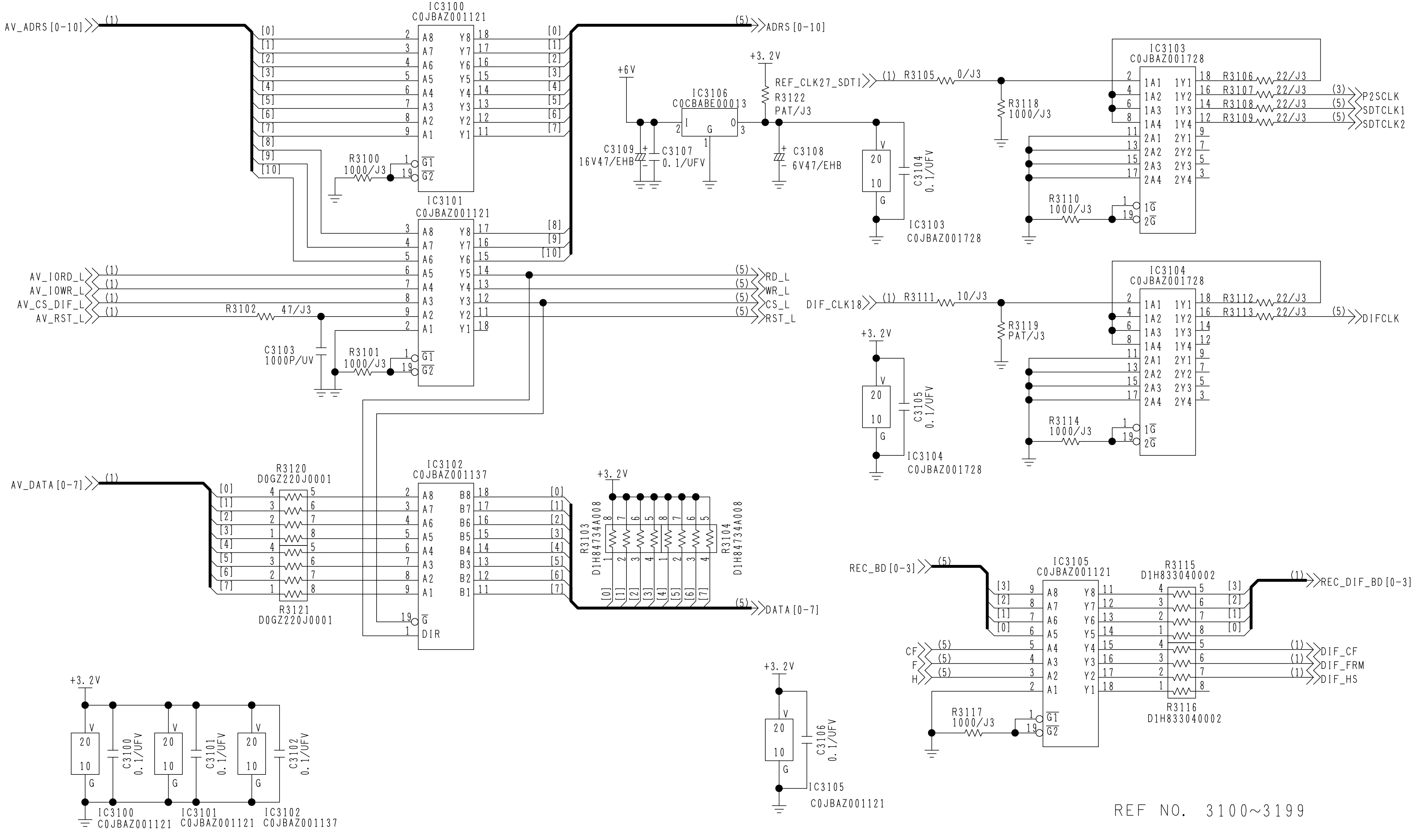
PAT=PATTERN ONLY

Ref No. 3950～3999 Series.

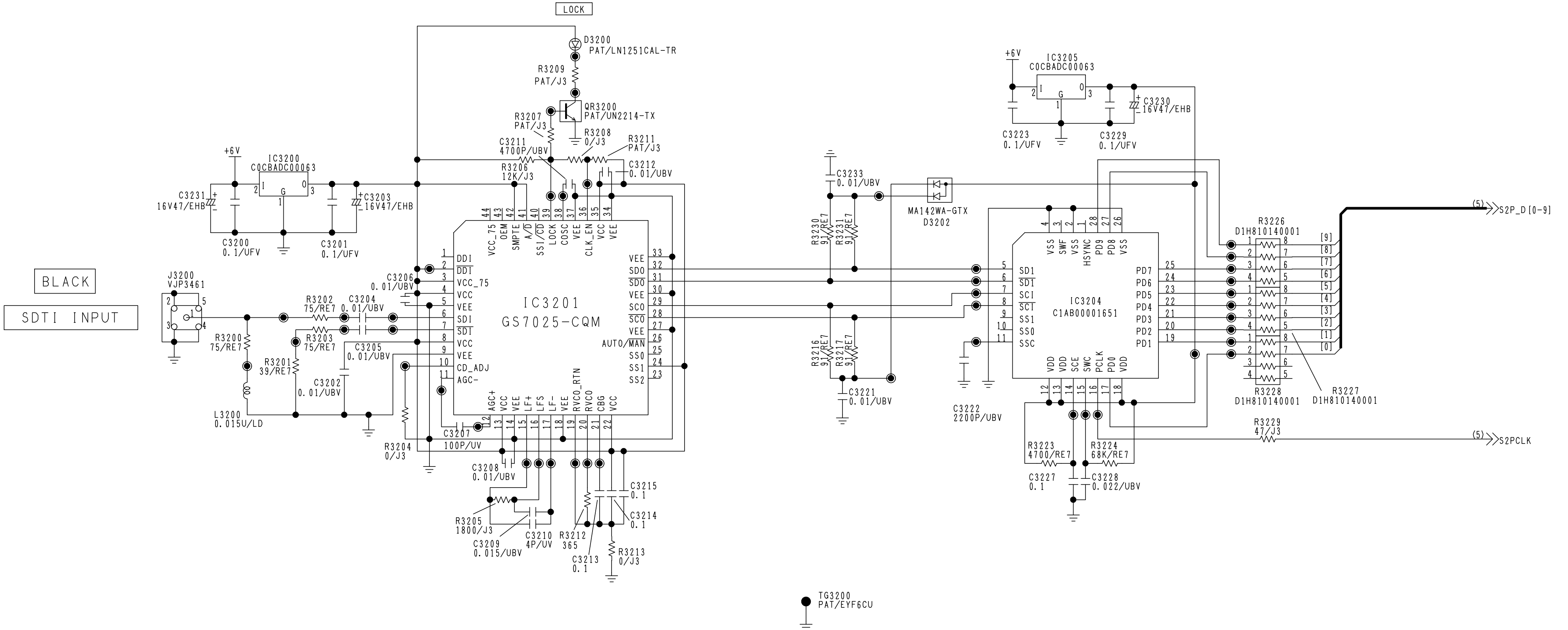
COMPONENT NAME	**F2A: V_IN(ISP)**	19/19
CIRCUIT BOARD NO.	DRAWING NO.	
VEP83594A (AJ-YA932G : OPTION)	KR30325 (19/19) (0) **SCM192**	


P3000
K1KA96B00032
1A GND
2A AV_CS_DIF_L
3A AV_ADRS8
4A AV_ADRS5
5A AV_ADRS2
6A AV_IORD_L
7A AV_DATA7
8A AV_DATA4
9A AV_DATA1
10A OUT_FRM
11A ISP_TDI
12A ISP_SEL3
13A GND
14A
15A AV_DIF_DATA
16A AV_DIF_INT_L
17A DIF_CF
18A DIF_FL_RXD
19A DIF_FL_RST
20A P1394_RX
21A
22A DIF_FRM
23A REC_DIF_BD0
24A REC_DIF_BD3
25A PB_DIF_BD0
26A PB_DIF_BD3
27A
28A
29A +6V
30A +3.2V
31A +5V
32A GND
[8] [5] [2] [7] [4] [1] [0] [3] [0] [3]
(2) AV_CS_DIF_L
(2) AV_IORD_L
(5) OUT_FRM
(5) ISP_TDI
(5) ISP_SEL3
(2) DIF_CF
(2) DIF_FRM
P3000
K1KA96B00032
1B GND
2B AV_ADRS10
3B AV_ADRS7
4B AV_ADRS4
5B AV_ADRS1
6B AV_IOWR_L
7B AV_DATA6
8B AV_DATA3
9B AV_DATA0
10B SYS_FRP
11B ISP_TMS
12B ISP_TDO
13B REF_CLK27_SDTI
14B SYS_SSP
15B DIF_AV_DATA
16B DIF_AV_INT_L
17B DIF_HS
18B DIF_FL_TXD
19B
20B P1394_TX
21B GND
22B REC_DIF_FRP
23B REC_DIF_BD1
24B PB_DIF_FRP
25B PB_DIF_BD1
26B
27B
28B
29B +6V
30B +3.2V
31B +5V
32B GND
[10] [7] [4] [1] [6] [3] [0] [1] [1]
(2) AV_IOWR_L
(5) SYS_FRP
(5) ISP_TMS
(5) ISP_TDO
(2) REF_CLK27_SDTI
(5) SYS_SSP
(2) DIF_HS
(5) REC_DIF_FRP
(5) PB_DIF_FRP
P3000
K1KA96B00032
1C GND
2C AV_ADRS9
3C AV_ADRS6
4C AV_ADRS3
5C AV_ADRS0
6C AV_RST_L
7C AV_DATA5
8C AV_DATA2
9C REF_CF
10C SYS_FEND
11C ISP_TCK
12C CONF_INFO
13C GND
14C
15C DIF_AV_CLK
16C CAN_BUS
17C
18C DIF_FL_FP
19C
20C IF_DIF_RESERVE
21C DIF_CLK18
22C REC_DIF_SSP
23C REC_DIF_BD2
24C PB_DIF_SSP
25C PB_DIF_BD2
26C
27C
28C
29C +6V
30C +3.2V
31C +5V
32C GND
[9] [6] [3] [0] [5] [2] [2] [2]
+6V
AV_ADRS[0-10]
(2) AV_ADRS[0-10]
AV_DATA[0-7]
(2) AV_DATA[0-7]
(2) AV_RST_L
(5) REF_CF
(5) SYS_FEND
(5) ISP_TCK
(5) CONF_INFO
(2) DIF_CLK18
(5) REC_DIF_SSP
(5) PB_DIF_SSP
REC_DIF_BD[0-3]
(2) REC_DIF_BD[0-3]
PB_DIF_BD[0-3]
(5) PB_DIF_BD[0-3]
L3000
VLF1151A132T
+3.2V
C3000
6V47/EHB
C3001
0.1/UFV
C3003
6V47/EHB
C3005
0.1/UFV
IC3000
C0CBAAG00010
I G O
+1.8V
C3002
0.1/UFV
C3004
6V47
C3006
0.1/UFV
TG3000
PAT/EYF6CU
REF NO. 3000~3099
A B C D E F G H I J
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

COMPONENT NAME	F3B: SDTI(CONNECTOR)		01/05
CIRCUIT BOARD NO.		DRAWING NO.	
VEP83595A (AJ-YAC930G : OPTION)		KR30326 (1/5) (0)	
		SCM193	

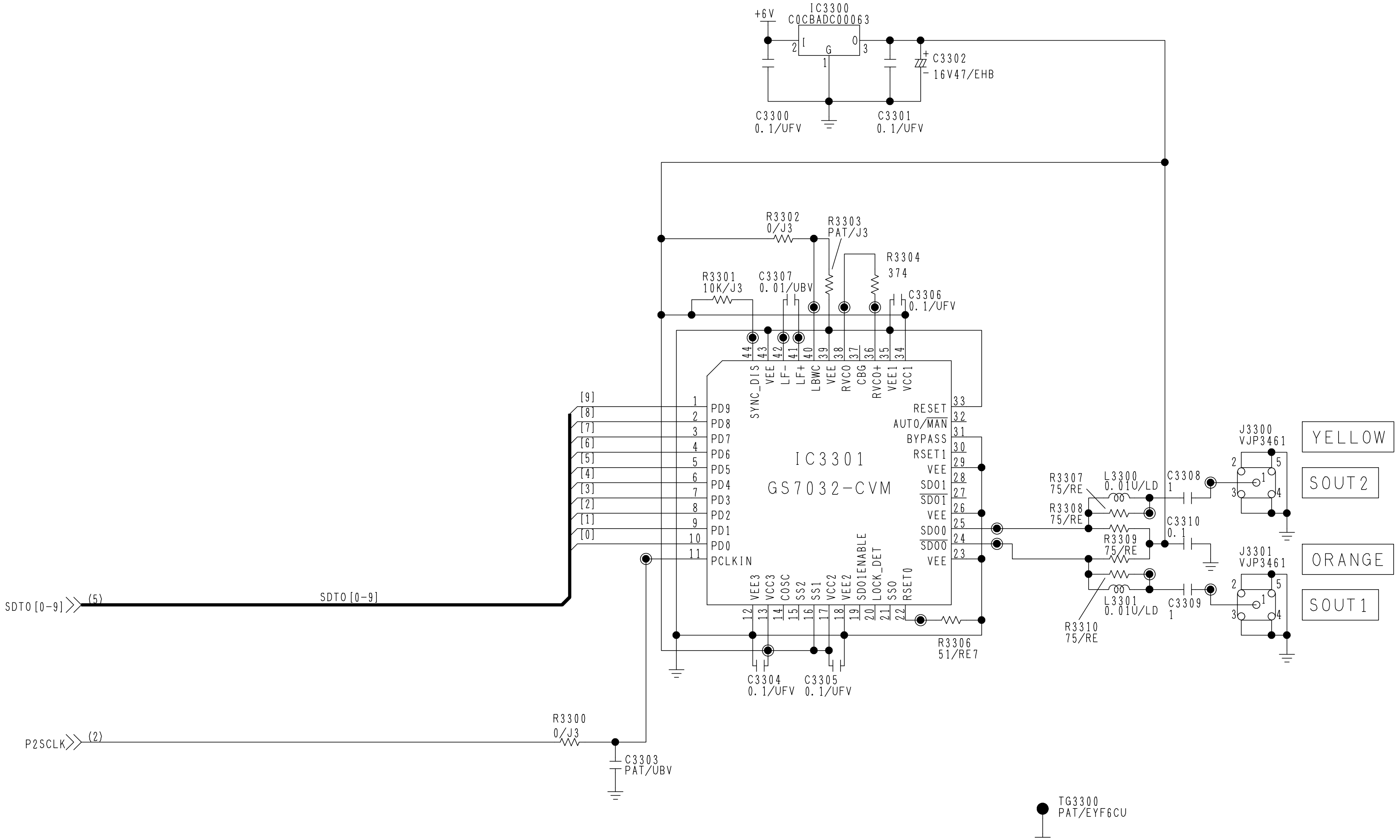

AV_ADRS[0-10]
ADRS[0-10]
IC3100
C0JBAZ001121
IC3101
C0JBAZ001121
R3100
1000/J3
R3101
1000/J3
R3102
47/J3
C3103
1000P/UV
AV_IORD_L
AV_IOWR_L
AV_CS_DIF_L
AV_RST_L
RD_L
WR_L
CS_L
RST_L
AV_DATA[0-7]
DATA[0-7]
R3120
D0GZ220J0001
R3121
D0GZ220J0001
IC3102
C0JBAZ001137
DIR
+6V
+3.2V
IC3106
C0CBABE00013
C3109
16V47/EHB
C3107
0.1/UFV
C3108
6V47/EHB
R3122
PAT/J3
REF_CLK27_SDTI
R3105
0/J3
R3118
1000/J3
C3104
0.1/UFV
IC3103
C0JBAZ001728
R3106
22/J3
R3107
22/J3
R3108
22/J3
R3109
22/J3
P2SCLK
SDTCLK1
SDTCLK2
R3110
1000/J3
DIF_CLK18
R3111
10/J3
R3119
PAT/J3
C3105
0.1/UFV
IC3104
C0JBAZ001728
R3112
22/J3
R3113
22/J3
DIFCLK
R3114
1000/J3
R3103
D1H84734A008
R3104
D1H84734A008
REC_BD[0-3]
IC3105
C0JBAZ001121
R3115
D1H833040002
R3116
D1H833040002
REC_DIF_BD[0-3]
CF
F
H
DIF_CF
DIF_FRM
DIF_HS
R3117
1000/J3
C3100
0.1/UFV
C3101
0.1/UFV
C3102
0.1/UFV
C3106
0.1/UFV
IC3100
C0JBAZ001121
IC3101
C0JBAZ001121
IC3102
C0JBAZ001137
IC3105
C0JBAZ001121
REF NO. 3100~3199
A
B
C
D
E
F
G
H
I
J
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15

COMPONENT NAME	F3B: SDTI(IO_BUFF)		02/05
CIRCUIT BOARD NO.		DRAWING NO.	
VEP83595A (AJ-YAC930G : OPTION)		KR30326 (2/5) (0)	
		SCM194	


LOCK
D3200
PAT/LN1251CAL-TR
R3209
PAT/J3
QR3200
PAT/UN2214-TX
R3207
PAT/J3
R3208
0/J3
R3211
PAT/J3
C3211
4700P/UBV
C3212
0.01/UBV
R3206
12K/J3
+6V
IC3200
C0CBADC00063
C3231
16V47/EHB
C3203
16V47/EHB
C3200
0.1/UFV
C3201
0.1/UFV
BLACK
SDTI INPUT
J3200
VJP3461
R3202
75/RE7
C3204
0.01/UBV
C3206
0.01/UBV
R3203
75/RE7
R3200
75/RE7
R3201
39/RE7
C3205
0.01/UBV
C3202
0.01/UBV
L3200
0.015U/LD
R3204
0/J3
C3207
100P/UV
C3208
0.01/UBV
R3205
1800/J3
C3209
0.015/UBV
C3210
4P/UV
R3212
365
C3213
0.1
C3215
0.1
C3214
0.1
R3213
0/J3
IC3201
GS7025-CQM
DDI
DDI
VCC_75
VCC
VEE
SDI
SDI
VCC
VEE
CD_ADJ
AGC-
VCC_75
OEM
SMPTE
A/D
SSI/CD
LOCK
COSC
VEE
CLK_EN
VCC
VEE
VEE
SDO
SDO
VEE
SCO
SCO
VEE
AUTO/MAN
SS0
SS1
SS2
AGC+
VCC
VEE
LF+
LFS
LF-
VEE
RVCO_RTN
RVCO
CBG
VCC
C3233
0.01/UBV
R3230
91/RE7
R3231
91/RE7
R3216
91/RE7
R3217
91/RE7
C3221
0.01/UBV
MA142WA-GTX
D3202
TG3200
PAT/EYF6CU
+6V
IC3205
C0CBADC00063
C3223
0.1/UFV
C3229
0.1/UFV
C3230
16V47/EHB
IC3204
C1AB00001651
VSS
SWF
VSS
HSYNC
PD9
PD8
VSS
SDI
SDI
SCI
SCI
SS1
SS0
SSC
PD7
PD6
PD5
PD4
PD3
PD2
PD1
VDD
VDD
SCE
SWC
PCLK
PD0
VDD
C3222
2200P/UBV
R3223
4700/RE7
R3224
68K/RE7
C3227
0.1
C3228
0.022/UBV
R3226
D1H810140001
R3228
D1H810140001
R3227
D1H810140001
R3229
47/J3
[9]
[8]
[7]
[6]
[5]
[4]
[3]
[2]
[1]
[0]
(5) S2P_D[0-9]
(5) S2PCLK

REF NO. 3200~3299

COMPONENT NAME	**F3B: SDTI(S2P)**	03/05
CIRCUIT BOARD NO.	DRAWING NO.	
VEP83595A (AJ-YAC930G : OPTION)	KR30326 (3/5) (0) **SCM195**	


IC3300
C0CBADC00063
+6V
C3300
0.1/UFV
C3301
0.1/UFV
C3302
16V47/EHB
R3302
0/J3
R3303
PAT/J3
R3304
374
R3301
10K/J3
C3307
0.01/UBV
C3306
0.1/UFV
IC3301
GS7032-CVM
SYNC_DIS
VEE
LF-
LF+
LBWC
VEE
RVCO
CBG
RVCO+
VEE1
VCC1
PD9
PD8
PD7
PD6
PD5
PD4
PD3
PD2
PD1
PD0
PCLKIN
RESET
AUTO/MAN
BYPASS
RSET1
VEE
SDO1
SDO1
VEE
SDO0
SDO0
VEE
VEE3
VCC3
COSC
SS2
SS1
VCC2
VEE2
SDO1ENABLE
LOCK_DET
SSO
RSET0
SDTO[0-9]
(5)
P2SCLK
(2)
R3300
0/J3
C3303
PAT/UBV
C3304
0.1/UFV
C3305
0.1/UFV
R3306
51/RE7
R3307
75/RE
R3308
75/RE
R3309
75/RE
R3310
75/RE
L3300
0.01U/LD
L3301
0.01U/LD
C3308
1
C3309
1
C3310
0.1
J3300
VJP3461
J3301
VJP3461
YELLOW
SOUT2
ORANGE
SOUT1
TG3300
PAT/EYF6CU

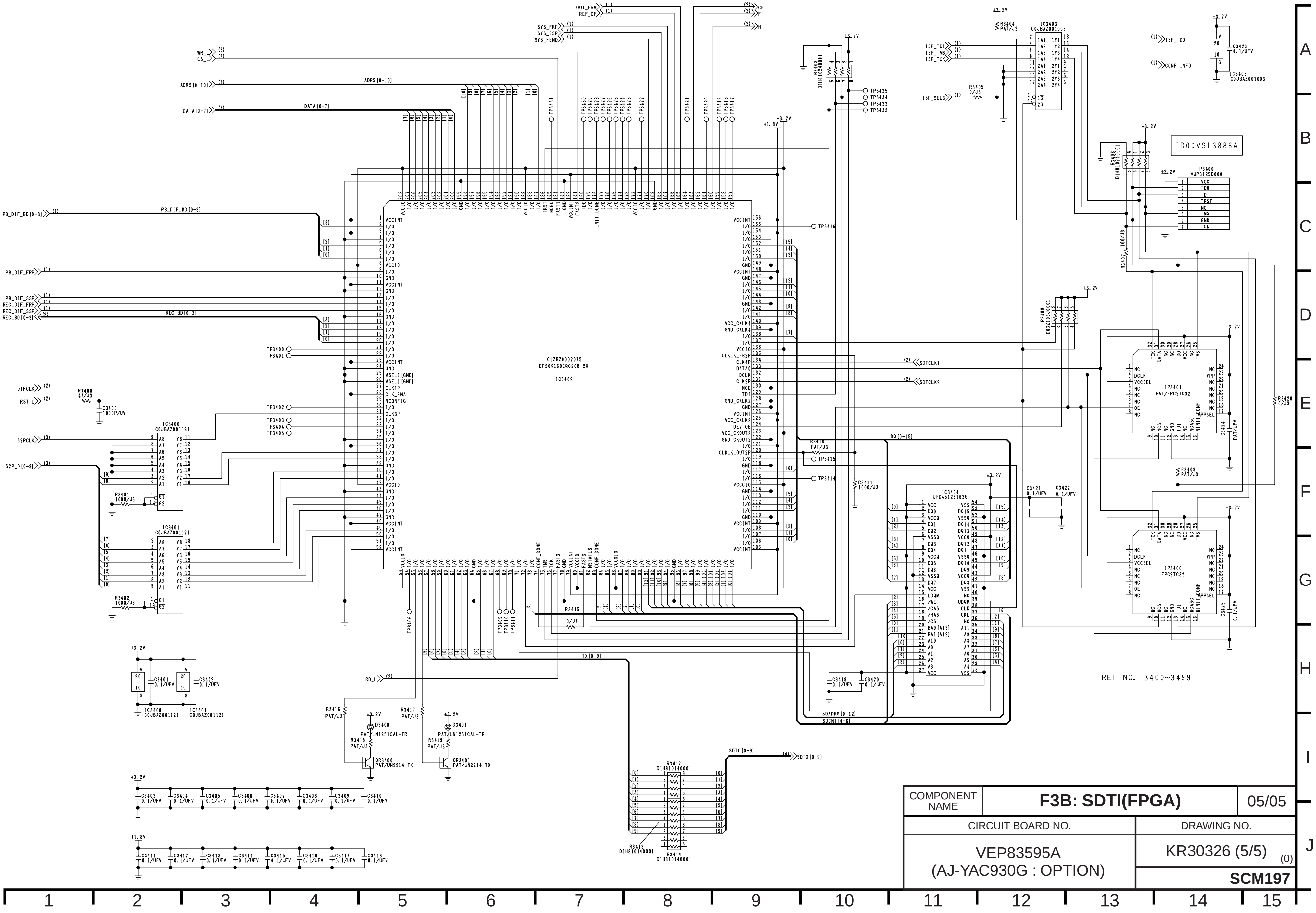
REF NO. 3300~3399

COMPONENT NAME: **F3B: SDTI(P2S)** 04/05

CIRCUIT BOARD NO.: VEP83595A (AJ-YAC930G : OPTION)

DRAWING NO.: KR30326 (4/5) (0)

SCM196


IC3402
C1ZBZ0002075
EP20K160EQC208-2X
IC3403
C0JBAZ001003
IC3400
C0JBAZ001121
IC3401
C0JBAZ001121
IC3404
UPD45128163G
IP3401
PAT/EPC2TC32
IP3400
EPC2TC32
P3400
VJP3125D008
ID0:VSI3886A
OUT_FRM
REF_CF
SYS_FRP
SYS_SSP
SYS_FEND
WR_L
CS_L
ADRS[0-10]
DATA[0-7]
PB_DIF_BD[0-3]
PB_DIF_FRP
PB_DIF_SSP
REC_DIF_FRP
REC_DIF_SSP
REC_BD[0-3]
DIFCLK
RST_L
S2PCLK
S2P_D[0-9]
ISP_TDI
ISP_TMS
ISP_TCK
ISP_SEL3
ISP_TDO
CONF_INFO
SDTCLK1
SDTCLK2
DQ[0-15]
SDADRS[0-12]
SDCNT[0-6]
TX[0-9]
RD_L
SDTO[0-9]
D3400
D3401
QR3400
QR3401
+3.2V
+1.8V
REF NO. 3400~3499
A
B
C
D
E
F
G
H
I
J
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15

COMPONENT NAME	F3B: SDTI(FPGA)	05/05
CIRCUIT BOARD NO.	DRAWING NO.	
VEP83595A (AJ-YAC930G : OPTION)	KR30326 (5/5) (0)	
	SCM197	

SECTION 7

CIRCUIT BOARD DIAGRAMS

NOTE:
BE SURE TO MAKE YOUR ORDERS OF REPLACEMENT PARTS ACCORDING TO PARTS LIST, SECTION 8

CAUTION

THE ▭ MARK INDICATES THE PRIMARY CIRCUIT TO DISTINGUISH THE PRIMARY FROM THE SECONDARY CIRCUIT.
PAY ATTENTION NOT TO RECEIVE AN ELECTRIC SHOCK DURING REPAIR AND SERVICE OF THE PRODUCTS.

IMPORTANT SAFETY NOTICE:
COMPONENTS IDENTIFIED WITH THE MARK ⚠ HAVE THE SPECIAL CHARACTERISTICS FOR SAFETY.
WHEN REPLACING ANY OF THESE COMPONENTS, USE ONLY THE SAME TYPE.

CONTENTS

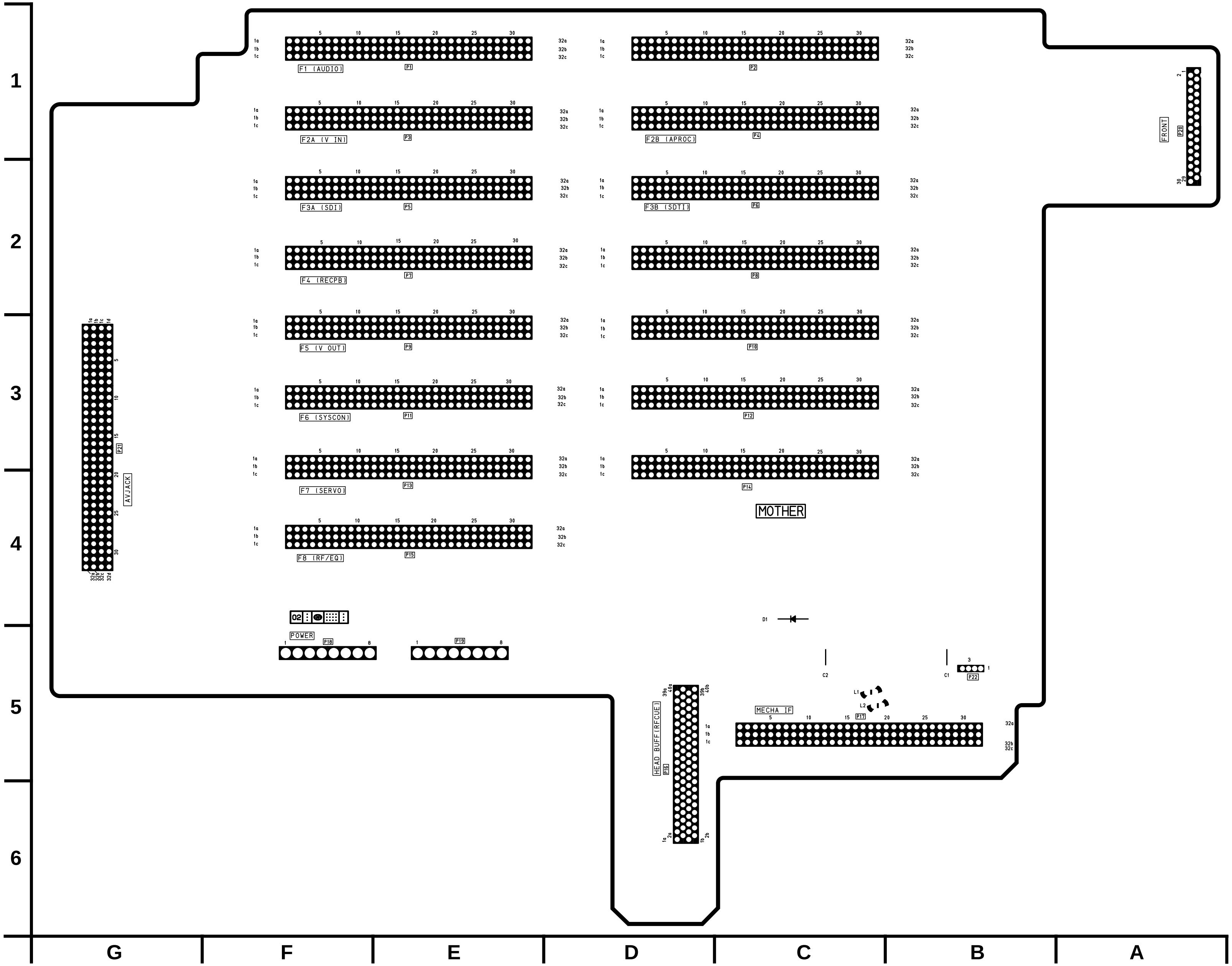
MOTHER P.C.BOARD (VEP80C41A) CBA-1
F1: AUDIO P.C.BOARD (VEP84383A) CBA-3
F2B: APROC P.C.BOARD (VEP84384A) CBA-5
F3A: SDI P.C.BOARD (VEP83605A) CBA-7
F4: REC PB P.C.BOARD (SD930: VEP83596B) (SD955A: VEP83596C) CBA-9
F5: V OUT P.C.BOARD (SD930: VEP83597B) (SD955A: VEP83597C) CBA-11
F6: SYSCON P.C.BOARD (SD930: VEP86326B) (SD955A: VEP86326C) CBA-13
F7: SERVO P.C.BOARD (SD930: VEP82246B) (SD955A: VEP82246C) CBA-15
F8: RF/EQ P.C.BOARD (VEP85207A) CBA-17
RF/CUE P.C.BOARD (VEP85208A) CBA-19
FRONT P.C.BOARD (SD930: VEP86327A) (SD955A: VEP86327B) CBA-21
AV JACK P.C.BOARD (VEP80C40A) CBA-23
POWER 1 P.C.BOARD (VEP81221C) CBA-25
MECHA_IF P.C.BOARD (VEP82239A) CBA-27
MECHA_IF2 P.C.BOARD (VEP82247A) CBA-28
FRONT SUB P.C.BOARD (VEP80C43A) CBA-28
EJECT P.C.BOARD (VEP80C42A) CBA-28
F2A: V_IN P.C.BOARD (VEP83594B/A) (AJ-YA931G, YA932G: OPTION) CBA-29
F3B: SDTI P.C.BOARD (VEP83595A) (AJ-YAC930G: OPTION) CBA-31

MOTHER P.C.BOARD (VEP80C41A)

FOIL SIDE

REF	LOC
P1	E1
P2	C1
P3	E1
P4	C1
P5	E2
P6	C2
P7	E2
P8	C2
P9	E3
P10	C3
P11	E3
P12	C3
P13	E3
P14	C3
P15	E4
P16	D5
P17	C5
P18	F5
P19	E5
P20	A1
P21	G3
P22	B5

CBA-1

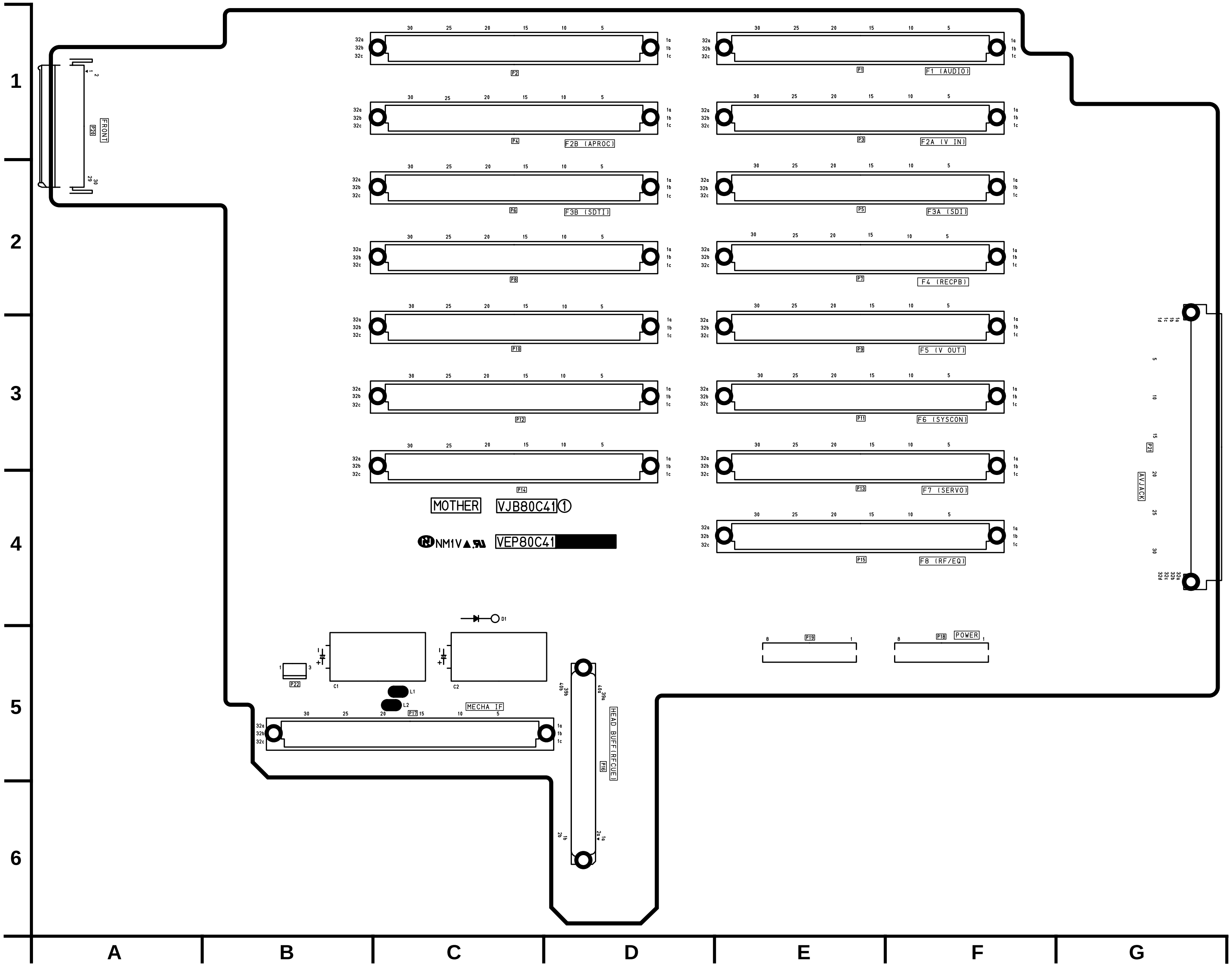

1
2
3
4
5
6
G
F
E
D
C
B
A
F1 (AUDIO)
P1
P2
F2A (V IN)
P3
F2B (APROC)
P4
F3A (SDI)
P5
F3B (SDTI)
P6
F4 (RECPB)
P7
P8
F5 (V OUT)
P9
P10
F6 (SYSCON)
P11
P12
F7 (SERVO)
P13
P14
F8 (RF/EQ)
P15
MOTHER
AVJACK
P21
FRONT
P20
POWER
P18
P19
D1
C2
C1
P22
L1
L2
MECHA IF
P17
HEAD BUFF(RFCUE)
P16

(FOIL SIDE)

MOTHER P.C.BOARD (VEP80C41A)

COMPONENT SIDE

REF	LOC
P1	E1
P2	C1
P3	E1
P4	C1
P5	E2
P6	C2
P7	E2
P8	C2
P9	E3
P10	C3
P11	E3
P12	C3
P13	E3
P14	C3
P15	E4
P16	D5
P17	C5
P18	F5
P19	E5
P20	A1
P21	G3
P22	B5



1
2
3
4
5
6
A
B
C
D
E
F
G
FRONT
P20
P2
P1
F1 (AUDIO)
P4
F2B (APROC)
P3
F2A (V IN)
P6
F3B (SDTI)
P5
F3A (SDI)
P8
P7
F4 (RECPB)
P10
P9
F5 (V OUT)
P12
P11
F6 (SYSCON)
P14
P13
F7 (SERVO)
P15
F8 (RF/EQ)
MOTHER
VJB80C41①
NM1V
VEP80C41
P21
AV JACK
D1
C1
C2
L1
L2
P22
P17
MECHA IF
P16
HEAD BUFF(RFCUE)
P19
P18
POWER

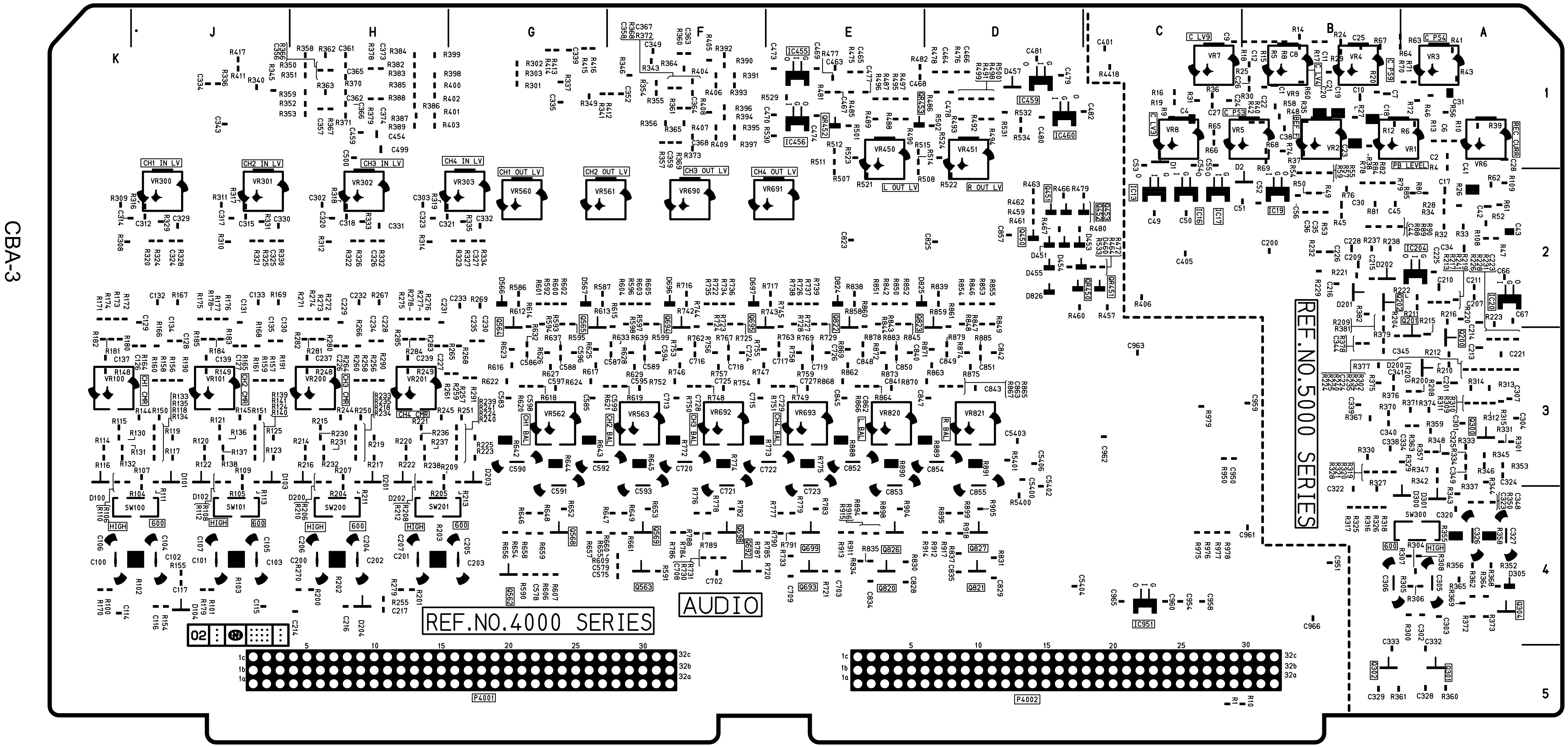
(COMPONENT SIDE)

CBA-2

F1: AUDIO P.C.BOARD (VEP84383A)

FOIL SIDE

REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC
IC4455	E1	Q4451	D2	Q4699	E4	QR4450	D2	VR4560	G2	VR5005	B1
IC4456	E1	Q4452	D2	Q4820	E4	QR4451	C2	VR4561	F2	VR5006	A1
IC4459	D1	Q4453	C2	Q4821	D4	QR4452	E1	VR4562	G3	VR5007	C1
IC4460	D1	Q4562	G4	Q4822	E2	QR4453	E1	VR4563	F3	VR5008	C1
IC4951	C4	Q4563	F4	Q4823	D2	VR4100	K3	VR4690	F2	VR5009	B1
IC5013	C2	Q4564	G2	Q4826	E4	VR4101	J3	VR4691	E2		
IC5016	C2	Q4565	G2	Q4827	D4	VR4200	H3	VR4692	F3		
IC5017	C2	Q4568	G4	Q5200	A3	VR4201	H3	VR4693	E3		
IC5019	B2	Q4569	F4	Q5201	A3	VR4300	J2	VR4820	E3		
IC5020	A2	Q4692	F4	Q5202	B2	VR4301	J2	VR4821	D3		
IC5204	A2	Q4693	E4	Q5300	A3	VR4302	H2	VR5001	B1		
P4001	G5	Q4694	F2	Q5301	A5	VR4303	G2	VR5002	B1		
P4002	D5	Q4695	F2	Q5302	B5	VR4450	E1	VR5003	A1		
Q4450	D2	Q4698	F4	Q5304	A4	VR4451	D1	VR5004	B1		


CBA-3
K
J
H
G
F
E
D
C
B
A
1
2
3
4
5
CH1 IN LV
CH2 IN LV
CH3 IN LV
CH4 IN LV
CH1 OUT LV
CH2 OUT LV
CH3 OUT LV
CH4 OUT LV
L OUT LV
R OUT LV
CH1 BAL
CH2 BAL
CH3 BAL
CH4 BAL
L BAL
R BAL
CH1 CMR
CH2 CMR
CH3 CMR
CH4 CMR
PB LEVEL
REC CURR
SW100
SW101
SW200
SW201
SW300
HIGH
600
REF.NO.4000 SERIES
REF.NO.5000 SERIES
AUDIO
02
P4001
P4002
1c
1b
1a
32c
32b
32a

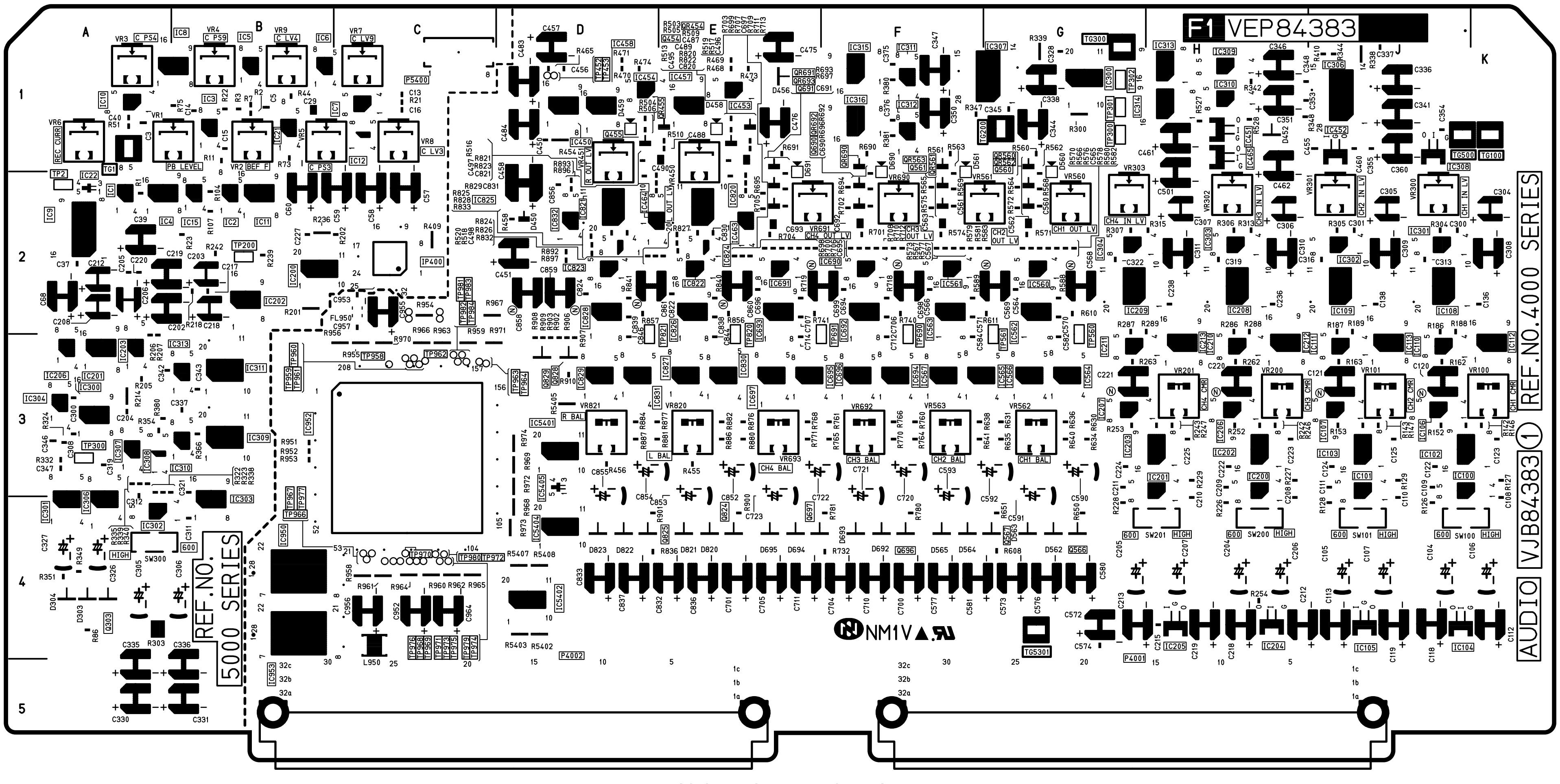
(FOIL SIDE)

F1: AUDIO P.C.BOARD (VEP84383A)

COMPONENT SIDE

REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC
IC4100	J3	IC4201	H3	IC4301	J2	IC4316	F1	IC4563	F2	IC4821	D2	IC4953	B4	IC5021	B1	IC5308	A3	Q4455	D1	QR4454	E1	TG5001	A1	TP4959	C3	TP4974	C4	VR4101	J3	VR4691	E2
IC4101	J3	IC4202	H3	IC4302	J2	IC4450	D1	IC4564	G3	IC4822	E2	IC5001	A2	IC5022	A2	IC5309	B3	Q4560	G2	QR4455	E1	TG5301	G4	TP4960	C3	TP4975	C4	VR4200	H3	VR4692	F3
IC4102	J3	IC4203	H3	IC4303	H2	IC4451	H1	IC4565	G3	IC4823	D2	IC5002	B2	IC5200	B2	IC5310	B3	Q4561	F2	QR4560	G2	TP4300	G1	TP4961	C3	TP4976	C4	VR4201	H3	VR4693	E3
IC4103	J3	IC4204	H4	IC4304	G2	IC4452	J1	IC4566	G3	IC4824	E2	IC5003	B1	IC5201	A3	IC5311	B3	Q4690	F2	QR4561	F1	TP4301	G1	TP4962	C3	TP4977	C4	VR4300	J2	VR4820	E3
IC4104	J4	IC4205	H4	IC4306	J1	IC4453	E1	IC4567	F3	IC4825	D2	IC5004	A2	IC5202	B2	IC5313	B3	Q4691	E1	QR4562	G2	TP4302	G1	TP4963	C3	TP4979	C4	VR4301	J2	VR4821	D3
IC4105	J4	IC4206	H3	IC4307	G1	IC4454	D1	IC4690	F2	IC4826	E2	IC5005	B1	IC5203	A3	IC5401	D3	Q4828	D3	QR4563	F2	TP4452	D1	TP4964	C3	TP4980	C4	VR4302	H2	VR5001	B1
IC4106	J3	IC4207	G3	IC4308	J1	IC4457	E1	IC4691	E2	IC4827	E3	IC5006	B1	IC5206	A3	IC5402	D4	Q4829	D3	QR4690	F1	TP4453	D1	TP4966	C4	TP4981	C3	VR4303	G2	VR5002	B1
IC4107	J3	IC4208	H2	IC4309	H1	IC4458	D1	IC4692	F2	IC4828	D2	IC5007	C1	IC5300	A3	IC5404	D4	Q5303	A4	QR4691	E1	TP4560	G2	TP4967	C4	TP4982	C3	VR4450	E1	VR5003	A1
IC4109	J2	IC4209	G2	IC4310	H1	IC4463	E2	IC4693	E2	IC4829	D3	IC5008	B1	IC5301	A4	IC5405	D3	Q5566	G4	QR4692	F2	TP4561	G2	TP4968	C4	TP4983	C3	VR4451	D1	VR5004	B1
IC4110	J3	IC4210	H3	IC4311	F1	IC4464	D2	IC4694	F3	IC4830	E3	IC5009	A2	IC5302	A4	IP5400	C2	Q5567	G4	QR4693	E1	TP4690	F2	TP4969	C4	TP4984	C3	VR4560	G2	VR5005	B1
IC4111	J3	IC4211	G3	IC4312	F1	IC4465	H1	IC4695	E3	IC4831	D3	IC5010	A1	IC5303	B4	P4001	G5	Q5696	F4	TG4100	K1	TP4691	F2	TP4970	C4	TP5002	A2	VR4561	G2	VR5006	A1
IC4112	K3	IC4212	H3	IC4313	H1	IC4560	G2	IC4696	F3	IC4832	D2	IC5011	B2	IC5304	A3	P4002	D5	Q5697	E4	TG4200	G1	TP4820	E2	TP4971	C4	TP5200	B2	VR4562	G3	VR5007	C1
IC4113	J3	IC4213	H3	IC4314	H1	IC4561	F2	IC4697	E3	IC4950	B4	IC5012	C1	IC5306	A4	P5400	C1	Q5824	E4	TG4300	G1	TP4821	D2	TP4972	C4	TP5300	A3	VR4563	F3	VR5008	C1
IC4200	H3	IC4300	G1	IC4315	F1	IC4562	G2	IC4820	E2	IC4952	C3	IC5015	B2	IC5307	A3	Q4454	E1	Q5825	D4	TG4500	J1	TP4958	C3	TP4973	C4	VR4100	K3	VR4690	F2	VR5009	B1

CBA-4

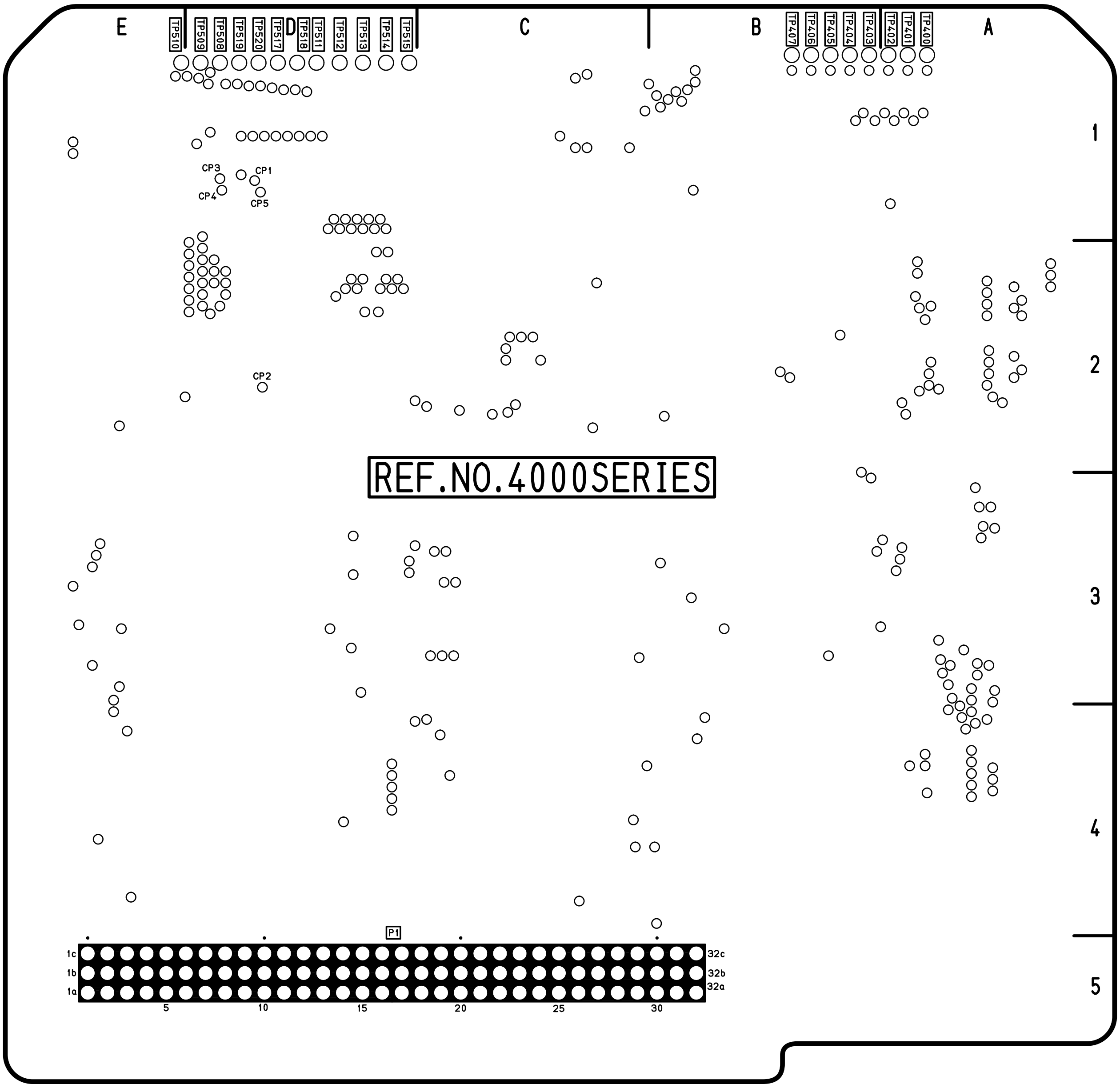

F1 VEP84383
A
B
C
D
E
F
G
H
J
K
1
2
3
4
5
AUDIO VJB84383 ①
REF.NO.4000 SERIES
REF.NO. 5000 SERIES
NM1V
CH1 OUT LV
CH2 OUT LV
CH3 OUT LV
CH4 OUT LV
CH1 IN LV
CH2 IN LV
CH3 IN LV
CH4 IN LV
CH1 BAL
CH2 BAL
CH3 BAL
CH4 BAL
R OUT LV
L OUT LV
R BAL
L BAL
PB LEVEL
REC CURR
BEF F
C PS3
C PS4
C PS9
C LV3
C LV4
C LV9
SW100
SW101
SW200
SW201
SW300
HIGH
600

(COMPONENT SIDE)

F2B: A_PROC P.C.BOARD (VEP84384A)

FOIL SIDE

REF	LOC	REF	LOC
P1	D5	TP512	D1
TP400	A1	TP513	D1
TP401	A1	TP514	D1
TP402	A1	TP515	D1
TP403	B1	TP517	D1
TP404	B1	TP518	D1
TP405	B1	TP519	D1
TP406	B1	TP520	D1
TP407	B1		
TP508	D1		
TP509	D1		
TP510	E1		
TP511	D1		

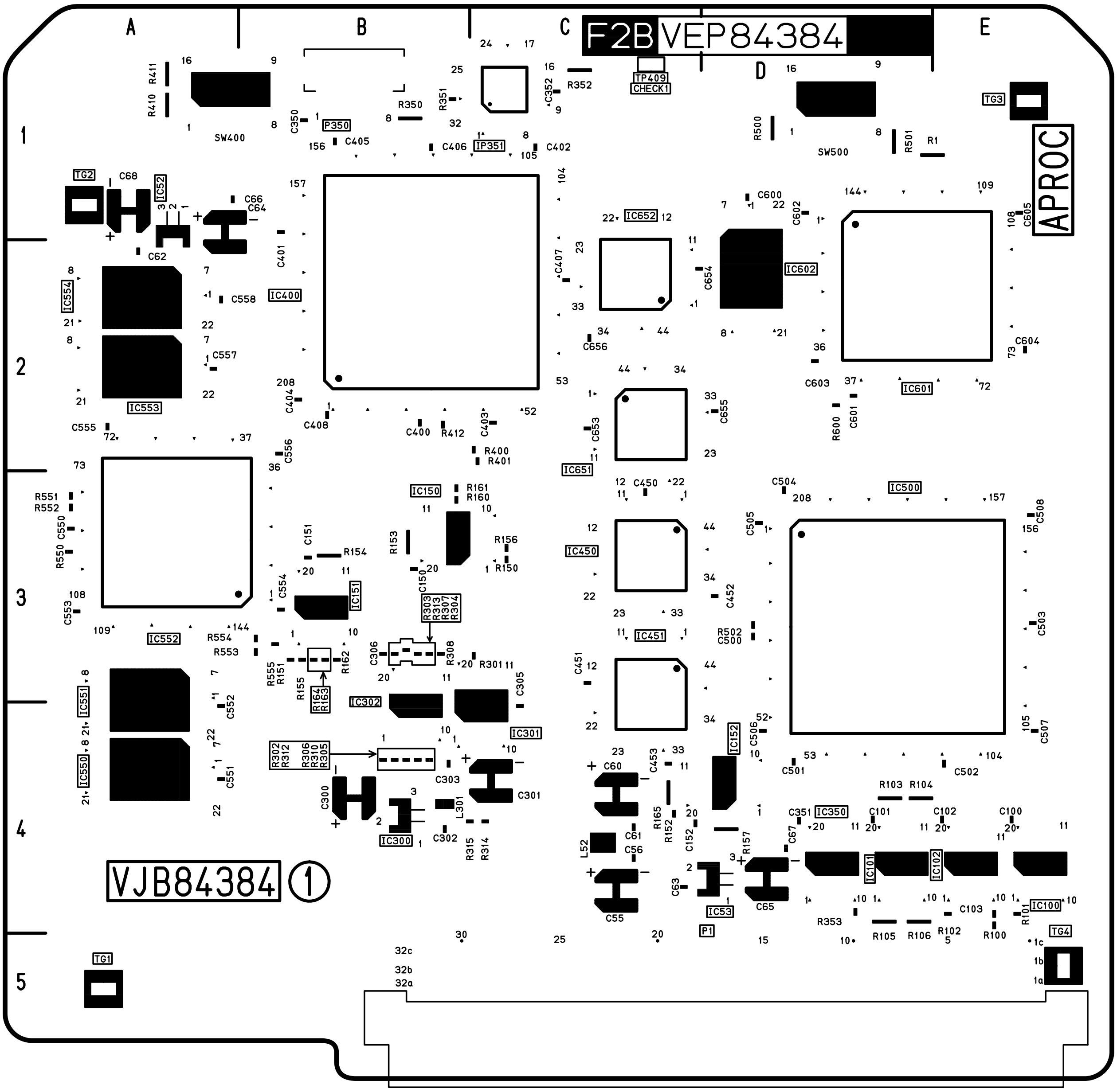

E
TP510
TP509
TP508
TP519
TP520
TP517
D
TP518
TP511
TP512
TP513
TP514
TP515
C
B
TP407
TP406
TP405
TP404
TP403
TP402
TP401
TP400
A
1
2
3
4
5
CP3
CP1
CP4
CP5
CP2
REF.NO.4000SERIES
P1
1c
1b
1a
32c
32b
32a
5
10
15
20
25
30

(FOIL SIDE)

F2B: A_PROC P.C.BOARD (VEP84384A)

COMPONENT SIDE

REF	LOC	REF	LOC	REF	LOC
IC52	A1	IC450	C3	P1	D5
IC53	D4	IC451	C3	P350	B1
IC100	E4	IC500	D3	TG1	A5
IC101	D4	IC550	A4	TG2	A1
IC102	D4	IC551	A3	TG3	E1
IC150	B3	IC552	A3	TG4	E5
IC151	B3	IC553	A2	TP409	C1
IC152	D4	IC554	A2		
IC300	B4	IC601	D2		
IC301	C4	IC602	D2		
IC302	B4	IC651	C2		
IC350	D4	IC652	C2		
IC400	B2	IP351	C1		


A
B
C
D
E
1
2
3
4
5
F2B VEP84384
APROC
VJB84384 ①
TP409
CHECK1
TG1
TG2
TG3
TG4
SW400
SW500
P350
IP351
P1
IC52
IC53
IC100
IC101
IC102
IC150
IC151
IC152
IC300
IC301
IC302
IC350
IC400
IC450
IC451
IC500
IC550
IC551
IC552
IC553
IC554
IC601
IC602
IC651
IC652
R1
R350
R351
R352
R410
R411
R500
R501
R600
C600
C601
C602
C603
C604
C605
C655
C656
C653
C654
C450
C451
C452
C453
C401
C402
C403
C404
C405
C406
C407
C408
C400
R412
R400
R401
R161
R160
R153
R154
R156
R150
C151
C150
C554
C555
C556
C557
C558
C550
C551
C552
C553
R550
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R552
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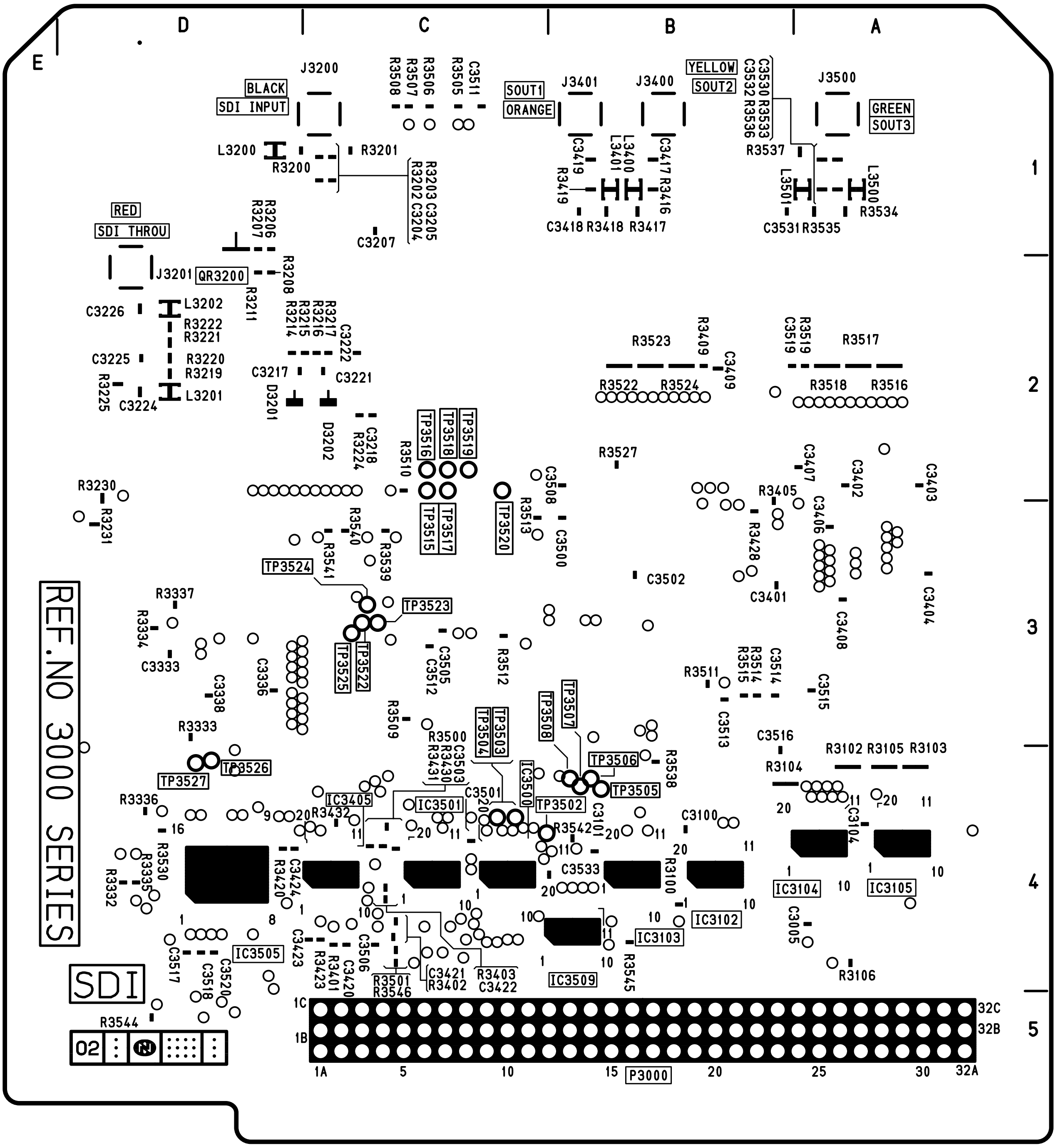
R554
R555
R151
R155
R162
R163
R164
C306
R303
R313
R307
R304
R308
R301
C305
R302
R312
R306
R310
R305
C300
C301
C302
C303
L301
R315
R314
C60
C61
C56
C55
L52
C62
C63
C64
C65
C66
C67
C68
R165
R152
C152
R157
C504
C505
C506
C501
C502
C503
C507
C508
R502
C500
R103
R104
C351
C101
C102
C100
C103
R353
R105
R106
R102
R100
R101
32c
32b
32a
30
25
20
15
10
5
1a
1b
1c

(COMPONENT SIDE)

F3A: SDI P.C.BOARD (VEP83605A)

FOIL SIDE

REF	LOC	REF	LOC	REF	LOC
IC3102	B4	TP3504	C4	TP3526	D4
IC3103	B4	TP3505	B4	TP3527	D4
IC3104	A4	TP3506	B4		
IC3105	A4	TP3507	B4		
IC3405	C4	TP3508	B4		
IC3500	C4	TP3515	C2		
IC3501	C4	TP3516	C2		
IC3505	D4	TP3517	C2		
IC3509	B4	TP3518	C2		
P3000	B5	TP3520	C2		
P3519	C2	TP3522	C3		
QR3200	D1	TP3523	C3		
TP3502	C4	TP3524	C3		
TP3503	C4	TP3525	C3		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J3400
J3500
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ORANGE
YELLOW
SOUT2
GREEN
SOUT3
RED
SDI THROU
J3201
QR3200
L3200
L3202
L3201
L3400
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L3500
L3501
D3201
D3202
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TP3517
TP3518
TP3519
TP3520
TP3522
TP3523
TP3524
TP3525
TP3526
TP3527
TP3502
TP3503
TP3504
TP3505
TP3506
TP3507
TP3508
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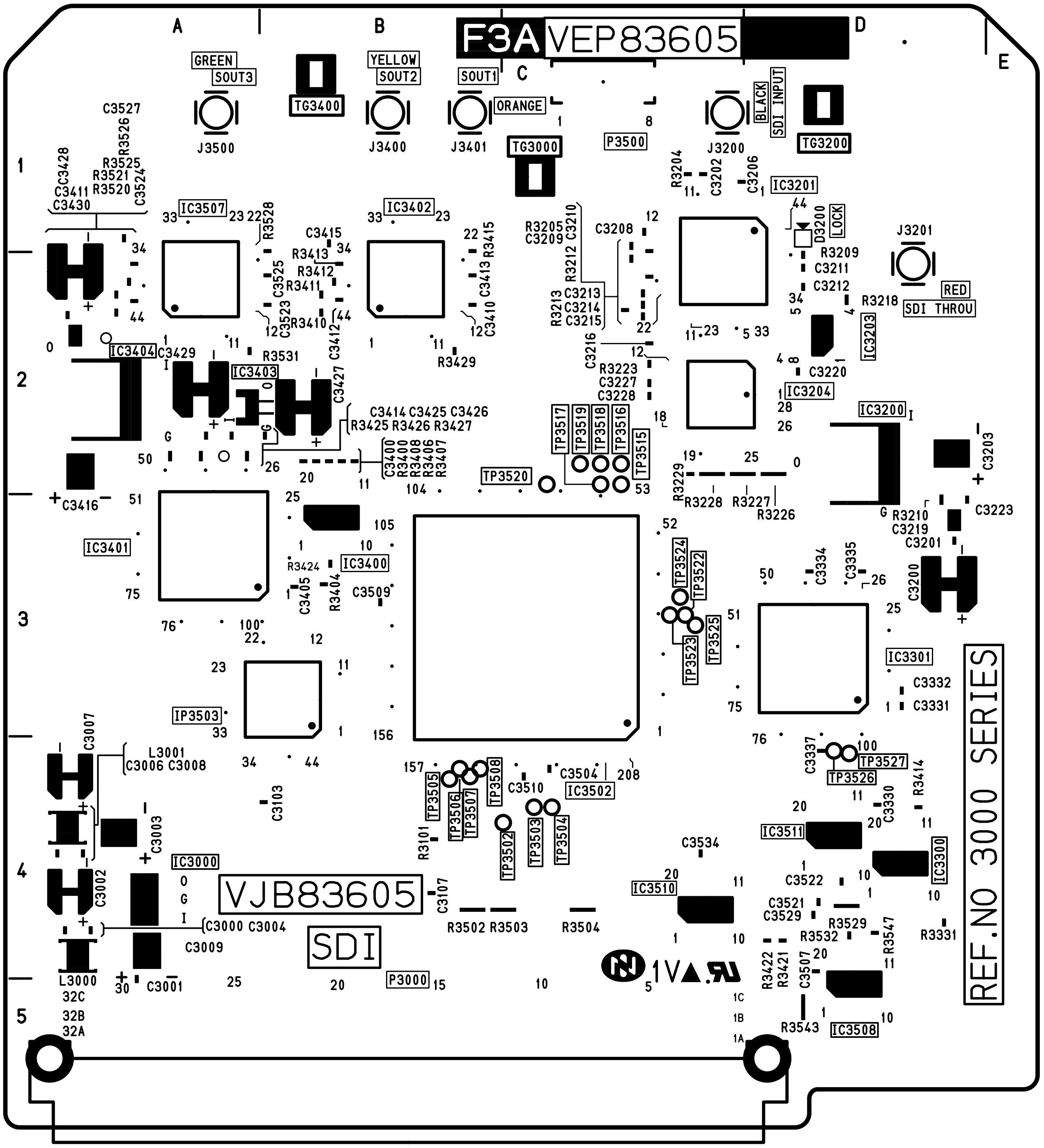
IC3500
IC3501
IC3505
IC3509
REF.NO 3000 SERIES
SDI
02
1A
5
10
15
20
25
30
32A
1B
1C
32B
32C
P3000

(FOIL SIDE)

F3A: SDI P.C.BOARD (VEP83605A)

COMPONENT SIDE

REF	LOC	REF	LOC	REF	LOC
IC3000	A4	IC3508	D5	TP3506	B4
IC3200	D2	IC3510	C4	TP3507	B4
IC3201	C2	IC3511	D4	TP3508	B4
IC3203	D2	IP3503	B3	TP3515	C2
IC3204	C2	P3000	B5	TP3516	C2
IC3300	D4	P3500	C1	TP3517	C2
IC3301	D3	P3527	D4	TP3518	C2
IC3400	B3	TG3000	C1	TP3519	C2
IC3401	A3	TG3200	D1	TP3520	C2
IC3402	B2	TG3400	B1	TP3522	C3
IC3403	A2	TP3502	C4	TP3523	C3
IC3404	A2	TP3503	C4	TP3524	C3
IC3502	C3	TP3504	C4	TP3525	C3
IC3507	A2	TP3505	B4	TP3526	D4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C
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E
1
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3
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F3A
VEP83605
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SOUT3
TG3400
YELLOW
SOUT2
SOUT1
ORANGE
J3500
J3400
J3401
TG3000
P3500
J3200
BLACK
SDI INPUT
TG3200
J3201
RED
SDI THROU
LOCK
D3200
C3527
R3526
C3428
R3525
R3521
R3520
C3524
C3411
C3430
IC3507
IC3402
R3528
C3415
R3413
R3412
R3411
R3410
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R3415
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C3410
R3429
R3205
C3209
C3210
R3212
C3208
R3213
C3213
C3214
C3215
C3216
R3223
C3227
C3228
R3204
C3202
C3206
IC3201
R3209
C3211
C3212
R3218
IC3203
C3220
IC3204
IC3200
C3203
IC3404
C3429
IC3403
R3531
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C3414 C3425 C3426
R3425 R3426 R3427
C3400
R3408
R3406
R3407
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C3219
C3201
C3223
C3200
IC3401
R3424
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R3404
C3509
TP3524
TP3522
TP3523
TP3525
C3334
C3335
IC3301
C3332
C3331
IP3503
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C3006 C3008
C3103
TP3505
TP3506
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IC3511
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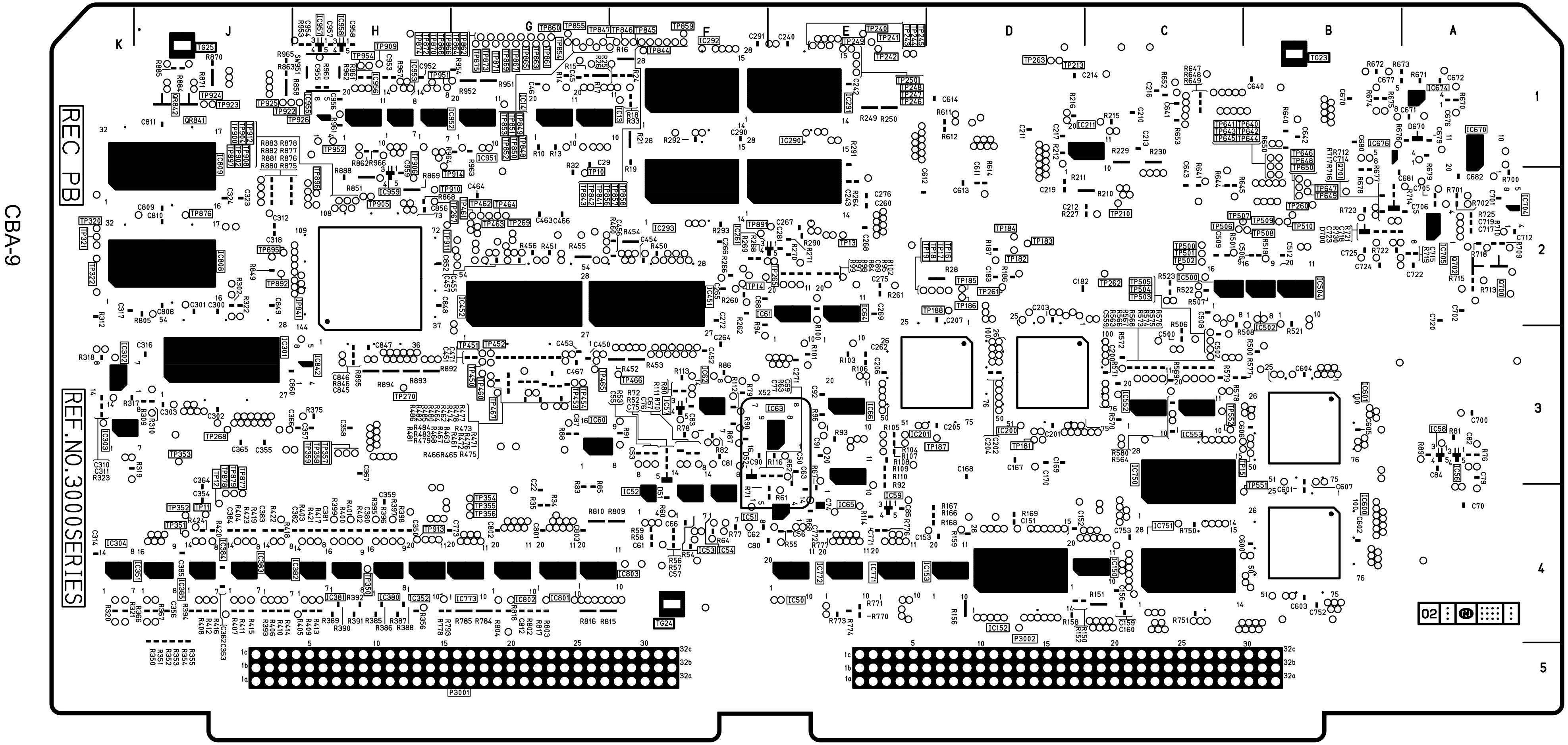
IC3000
C3002
VJB83605
C3107
IC3510
C3522
C3521
C3529
R3529
R3532
R3547
R3331
R3502 R3503
R3504
C3000 C3004
C3009
SDI
L3000
C3001
P3000
1V
R3422
R3421
C3507
R3543
IC3508
REF.NO 3000 SERIES

(COMPONENT SIDE)

F4: REC PB P.C.BOARD (SD930:VEP83596B)(SD955A:VEP83596C)

FOIL SIDE

REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC
IC13	G1	IC64	E2	IC302	K3	IC504	B2	IC801	G4	P3001	G5	TP15	B3	TP240	E1	TP265	E2	TP357	H3	TP467	G3	TP641	B1	TP846	F1	TP861	G1	TP876	J2	TP909	H1
IC14	G1	IC65	E3	IC303	K3	IC552	C3	IC802	G4	P3002	D5	TP16	D2	TP241	E1	TP267	H2	TP358	H3	TP500	C2	TP642	B1	TP847	F1	TP862	G1	TP877	J4	TP910	H2
IC50	E4	IC66	E3	IC304	K4	IC553	C3	IC803	G4	Q700	A2	TP17	D2	TP242	E1	TP268	J3	TP359	H3	TP501	C2	TP643	B1	TP848	G1	TP863	G1	TP878	J4	TP911	H2
IC51	F4	IC150	C4	IC351	K4	IC600	B4	IC808	J2	Q701	B2	TP18	D2	TP243	E1	TP269	G2	TP450	G3	TP502	C2	TP644	B2	TP849	G1	TP864	G1	TP879	J4	TP912	H2
IC52	F4	IC152	D4	IC352	H4	IC601	B3	IC809	J1	Q702	A2	TP19	E2	TP244	E1	TP270	H3	TP451	G3	TP503	C3	TP645	B2	TP850	G1	TP865	G1	TP891	F2	TP913	H4
IC53	F4	IC153	D4	IC380	H4	IC670	A1	IC842	H3	QR841	J1	TP181	D3	TP245	E1	TP320	K2	TP452	G3	TP504	C3	TP646	B2	TP851	G1	TP866	G1	TP892	J2	TP914	H1
IC54	F4	IC200	D3	IC381	H4	IC674	A1	IC951	G1	QR842	J1	TP182	D2	TP246	E1	TP321	K2	TP453	G3	TP505	C3	TP647	B2	TP852	G1	TP867	G1	TP895	J2	TP922	J1
IC56	A3	IC201	D3	IC382	J4	IC676	B1	IC952	H1	TG23	B1	TP183	D2	TP247	E1	TP322	K2	TP454	G3	TP506	C2	TP648	B2	TP853	G1	TP868	G1	TP896	H2	TP923	J1
IC57	F3	IC211	C1	IC383	J4	IC704	A2	IC953	H1	TG24	F4	TP184	D2	TP248	E1	TP350	H4	TP460	G3	TP507	C2	TP649	B2	TP854	G1	TP869	G1	TP897	H2	TP924	J1
IC58	A3	IC261	E2	IC384	J4	IC705	A2	IC955	H1	TG25	J1	TP185	D2	TP249	E1	TP351	J4	TP461	G2	TP508	B2	TP650	B2	TP855	G1	TP870	G1	TP900	H2	TP925	J1
IC59	E4	IC290	E2	IC385	J4	IC750	C3	IC956	H1	TP10	G2	TP186	D2	TP250	E1	TP352	J4	TP462	G2	TP509	B2	TP841	F1	TP856	F1	TP871	G1	TP902	H2	TP926	H1
IC60	G3	IC291	E1	IC451	F2	IC751	C4	IC957	H1	TP11	J4	TP187	D3	TP260	B2	TP353	J3	TP463	G2	TP510	B2	TP842	F1	TP857	F1	TP872	G1	TP904	H2	TP951	H1
IC61	E2	IC292	F1	IC452	G2	IC771	E4	IC958	H1	TP12	J4	TP188	D2	TP261	D2	TP354	G4	TP464	G2	TP551	B4	TP843	F1	TP858	F1	TP873	G1	TP905	H2	TP952	H1
IC62	F3	IC293	F2	IC500	C2	IC772	E4	IC959	H2	TP13	E2	TP210	C2	TP262	C2	TP355	G4	TP465	G3	TP552	C3	TP844	F1	TP859	F1	TP874	G1	TP906	H2	TP954	H1
IC63	E3	IC301	J3	IC502	B2	IC773	G4	IP841	H2	TP14	F2	TP213	D1	TP263	D1	TP356	G4	TP466	F3	TP640	B1	TP845	F1	TP860	G1	TP875	G1	TP908	H2		

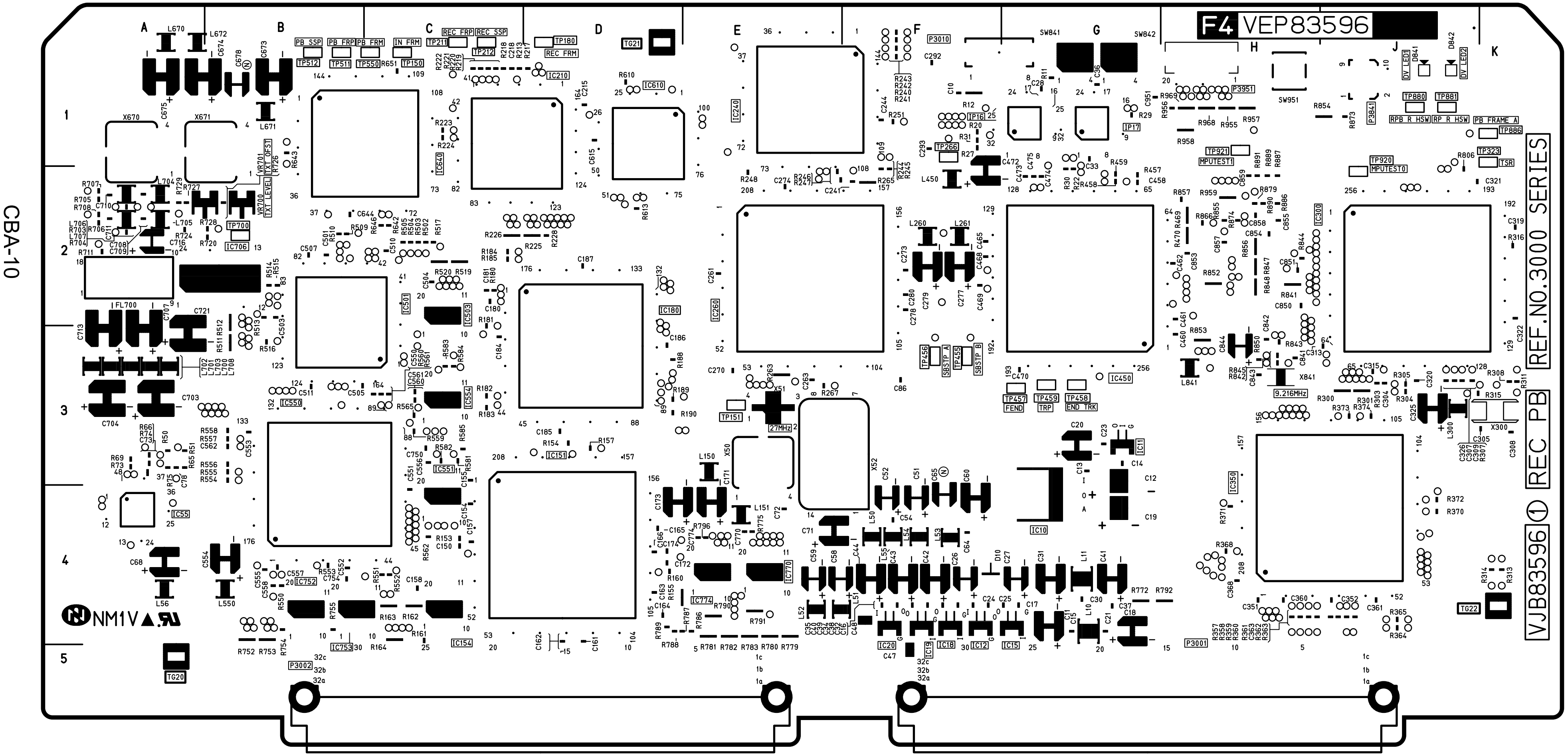


(FOIL SIDE)

F4: REC PB P.C.BOARD (SD930:VEP83596B)(SD955A:VEP83596C)

COMPONENT SIDE

REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC
IC10	G4	IC350	J4	IP17	G1	TP323	K1	VR700	B2
IC11	G3	IC450	G2	P384	J1	TP455	F3	VR701	B2
IC12	F4	IC501	B2	P3001	H5	TP456	F3		
IC15	G4	IC503	C2	P3002	C5	TP457	G3		
IC18	F4	IC550	B3	P3010	F1	TP458	G3		
IC19	F4	IC551	C4	P3951	H1	TP459	G3		
IC20	F4	IC554	C3	TG20	A5	TP511	B1		
IC55	A4	IC610	D1	TG21	D1	TP512	B1		
IC151	D4	IC640	C1	TG22	K4	TP550	C1		
IC154	C4	IC706	B2	TP150	C1	TP700	B2		
IC180	D3	IC752	B4	TP151	E3	TP880	J1		
IC210	C1	IC753	B4	TP180	D1	TP881	J1		
IC240	E1	IC770	E4	TP211	C1	TP886	K1		
IC260	E2	IC774	E4	TP212	C1	TP920	J2		
IC300	J2	IP16	G1	TP266	F1	TP921	H1		


CBA-10
F4 VEP83596
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C
D
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G
H
J
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3
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REF.NO.3000 SERIES
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X670
X671
FL700
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SW841
SW842
SW951
P3010
P3001
P3002
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IC18
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IC20
IC55
IC151
IC154
IC180
IC210
IC240
IC260
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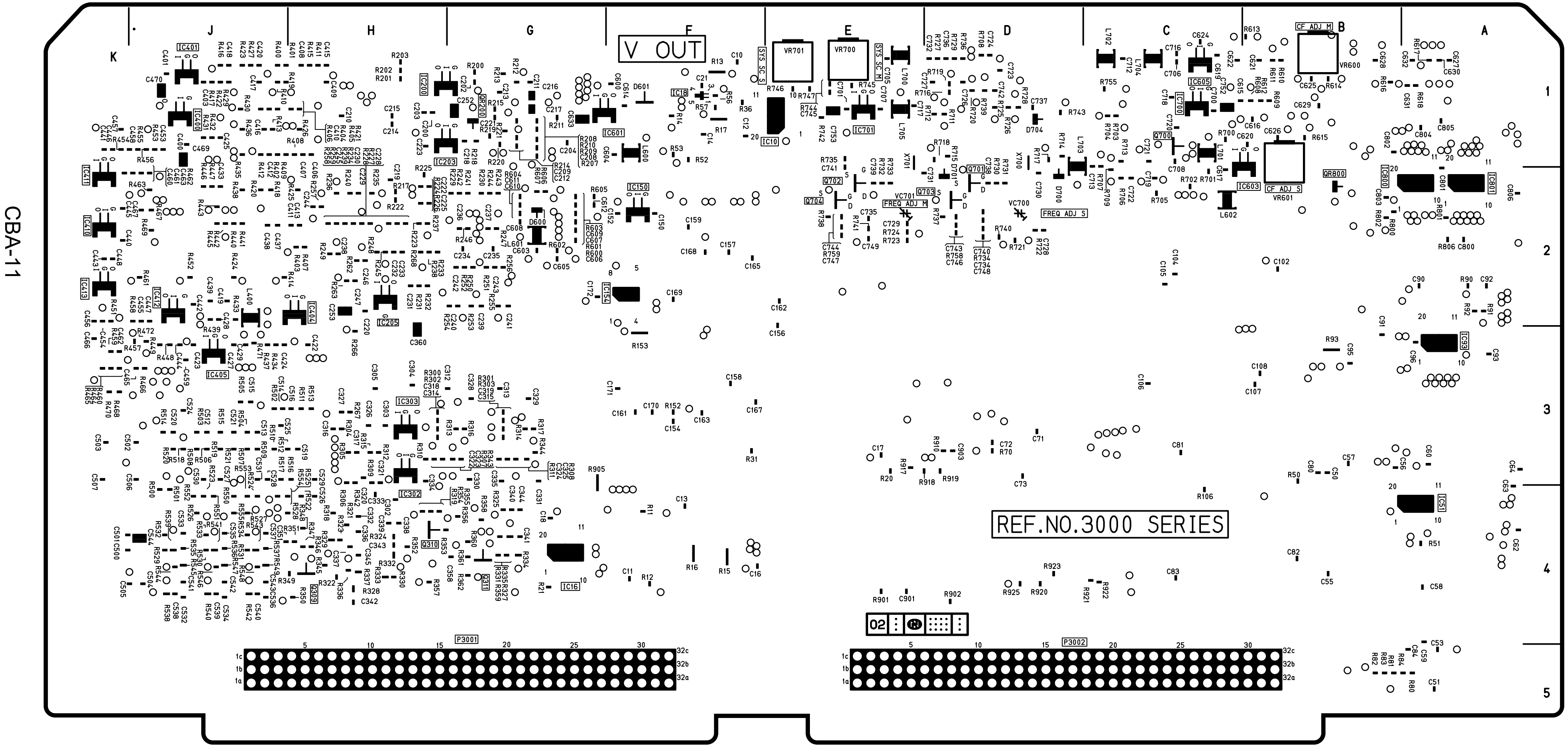
IC501
IC503
IC550
IC551
IC552
IC554
IC610
IC640
IC706
IC752
IC753
IC770
IC774
PB SSP
PB FRP
PB FRM
IN FRM
REC FRP
REC SSP
REC FRM
TXT LEVEL
TXT OFST
DV LED1
DV LED2
RPB R HSW
RP R HSW
PB FRAME A
MPUTEST1
MPUTEST0
TSR
SBSTP A
SBSTP B
FEND
TRP
END TRK

(COMPONENT SIDE)

F5: V_OUT P.C.BOARD (SD930:VEP83597B)(SD955A:VEP83597C)

FOIL SIDE

REF	LOC	REF	LOC	REF	LOC	REF	LOC
IC10	E1	IC404	H2	P3002	D5	VR601	B1
IC16	G4	IC405	J3	Q309	H4	VR700	E1
IC18	F1	IC410	K2	Q310	H4	VR701	E1
IC51	A4	IC411	K2	Q311	G4		
IC93	A3	IC412	J2	Q700	C1		
IC150	F2	IC413	K2	Q701	D2		
IC154	F2	IC601	G1	Q702	E2		
IC200	H1	IC603	B1	Q703	D2		
IC203	H1	IC605	C1	Q704	E2		
IC205	H2	IC700	C1	QR200	G1		
IC302	H3	IC701	E1	QR800	B2		
IC303	H3	IC800	A2	VC700	D2		
IC400	J1	IC801	A2	VC701	E2		
IC401	J1	P3001	G5	VR600	B1		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F
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IC400
IC411
IC410
IC413
IC412
IC405
IC404
IC200
IC203
IC205
QR200
IC601
IC150
IC154
IC18
IC10
VR701
VR700
SYS SC S
SYS SC M
IC701
Q702
Q704
Q703
Q701
VC701
FREQ ADJ M
VC700
FREQ ADJ S
IC700
IC605
Q700
IC603
CF ADJ M
CF ADJ S
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VR601
QR800
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IC93
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Q310
Q309
Q311
IC16
P3001
P3002
1c
1b
1a
32c
32b
32a
5
10
15
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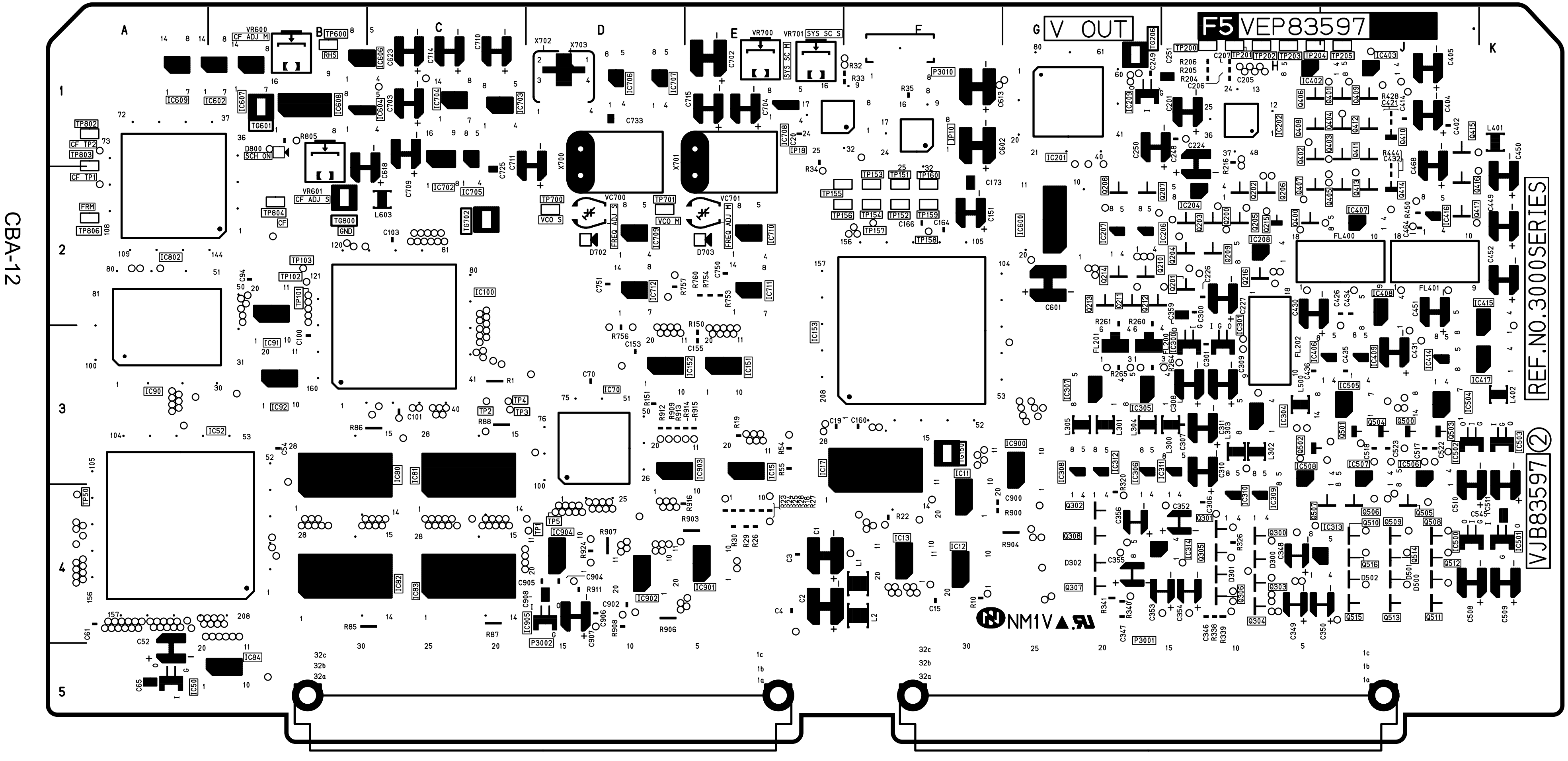
25
30
02

(FOIL SIDE)

F5: V_OUT P.C.BOARD (SD930:VEP83597B)(SD955A:VEP83597C)

COMPONENT SIDE

REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC
IC11	F4	IC91	B2	IC300	H3	IC403	J1	IC505	J3	IC705	C1	IC905	D4	Q209	H2	Q306	H4	Q411	J1	Q507	J4	TG800	B2	TP155	E2	TP701	D2
IC12	F4	IC92	B3	IC301	H3	IC406	J3	IC506	J3	IC706	D1	IP10	F1	Q210	G2	Q307	G4	Q412	J1	Q508	J4	TP1	D4	TP156	E2	TP802	A1
IC13	F4	IC100	C2	IC304	H3	IC407	J2	IC507	J3	IC707	D1	IP18	E1	Q211	G2	Q308	G4	Q413	J2	Q509	J4	TP2	C3	TP157	F2	TP803	A1
IC15	E3	IC151	E3	IC305	G3	IC408	J2	IC508	H3	IC708	E1	P3001	G5	Q212	G2	Q400	H2	Q414	J2	Q510	J4	TP3	C3	TP158	F2	TP804	B2
IC17	F3	IC152	D3	IC306	G3	IC409	J3	IC600	G2	IC709	D2	P3002	D5	Q213	G2	Q401	J1	Q415	J1	Q511	J4	TP4	C3	TP159	F2	TP806	A2
IC50	A5	IC153	F3	IC307	G3	IC414	J3	IC602	A1	IC710	E2	P3010	F1	Q214	G2	Q402	H1	Q416	J2	Q512	J4	TP5	D4	TP160	F2	VC700	D1
IC52	A4	IC201	G1	IC308	G3	IC415	K2	IC604	B1	IC711	E2	Q200	H2	Q215	H2	Q403	J1	Q417	J2	Q513	J4	TP50	A4	TP200	H1	VC701	E1
IC70	D3	IC202	H1	IC309	H4	IC416	J2	IC606	B1	IC712	D2	Q201	H2	Q216	H2	Q404	J1	Q500	J3	Q514	J4	TP101	B2	TP201	H1	VR600	B1
IC80	B3	IC204	H2	IC310	H4	IC417	K3	IC607	B1	IC802	A2	Q202	H2	Q300	H4	Q405	J2	Q501	J3	Q515	J4	TP102	B2	TP202	H1	VR601	B1
IC81	C3	IC206	G2	IC311	H3	IC500	J4	IC608	B1	IC900	G3	Q203	H2	Q301	H4	Q406	H1	Q502	H3	Q516	J4	TP103	B2	TP203	H1	VR700	E1
IC82	B4	IC207	G2	IC312	G3	IC501	K4	IC609	A1	IC901	E4	Q204	H2	Q302	G4	Q407	H2	Q503	J3	TG150	F3	TP151	F2	TP204	H1	VR701	E1
IC83	C4	IC207	G2	IC313	J4	IC502	J3	IC702	C1	IC902	D4	Q205	H2	Q303	H4	Q408	H1	Q504	J3	TG206	G1	TP152	F2	TP205	J1		
IC84	B5	IC208	H2	IC314	H4	IC503	K3	IC703	C1	IC903	D3	Q206	H2	Q304	H4	Q409	J1	Q505	J4	TG601	B1	TP153	F2	TP600	B1		
IC90	A3	IC209	G1	IC402	H1	IC504	J3	IC704	C1	IC904	D4	Q208	G2	Q305	H4	Q410	J1	Q506	J4	TG702	C2	TP154	F2	TP700	D2		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REF.NO.3000SERIES
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CF ADJ M
VR601
CF ADJ S
VR700
VR701
SYS SC S
VC700
VC701
FREQ ADJ S
FREQ ADJ M
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VCO M
X700
X701
X702
X703
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FL401
FL202
D800
SCH ON
D702
D703
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IC17
IC100
IC600
IC900
TP802
TP803
TP806
CF TP1
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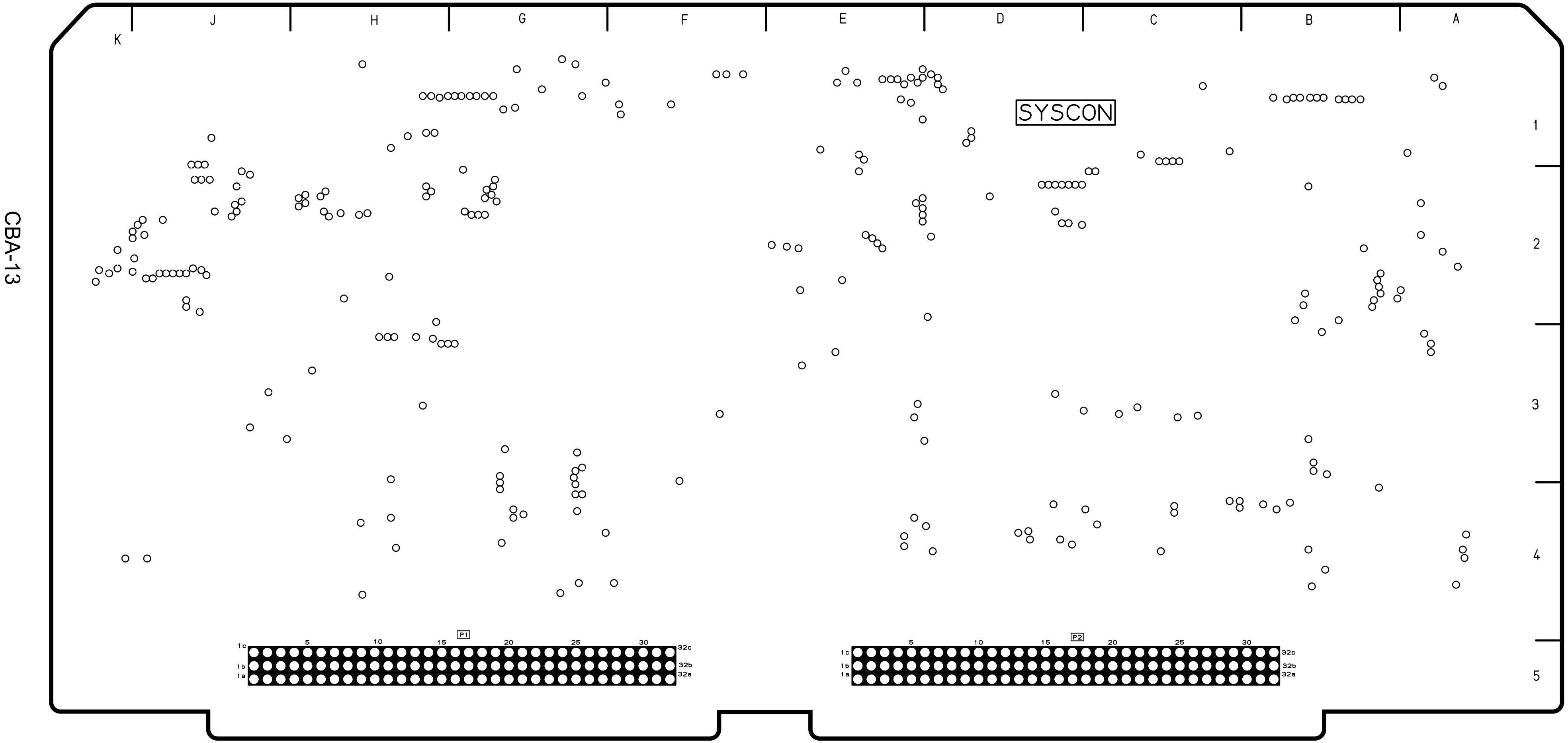
GND
32c
32b
32a
1c
1b
1a

(COMPONENT SIDE)

F6: SYSCON P.C.BOARD (SD930:VEP86326B)(SD955A:VEP86326C)

FOIL SIDE

REF	LOC
P1	G5
P2	D5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J
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G
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D
C
B
A
SYSCON
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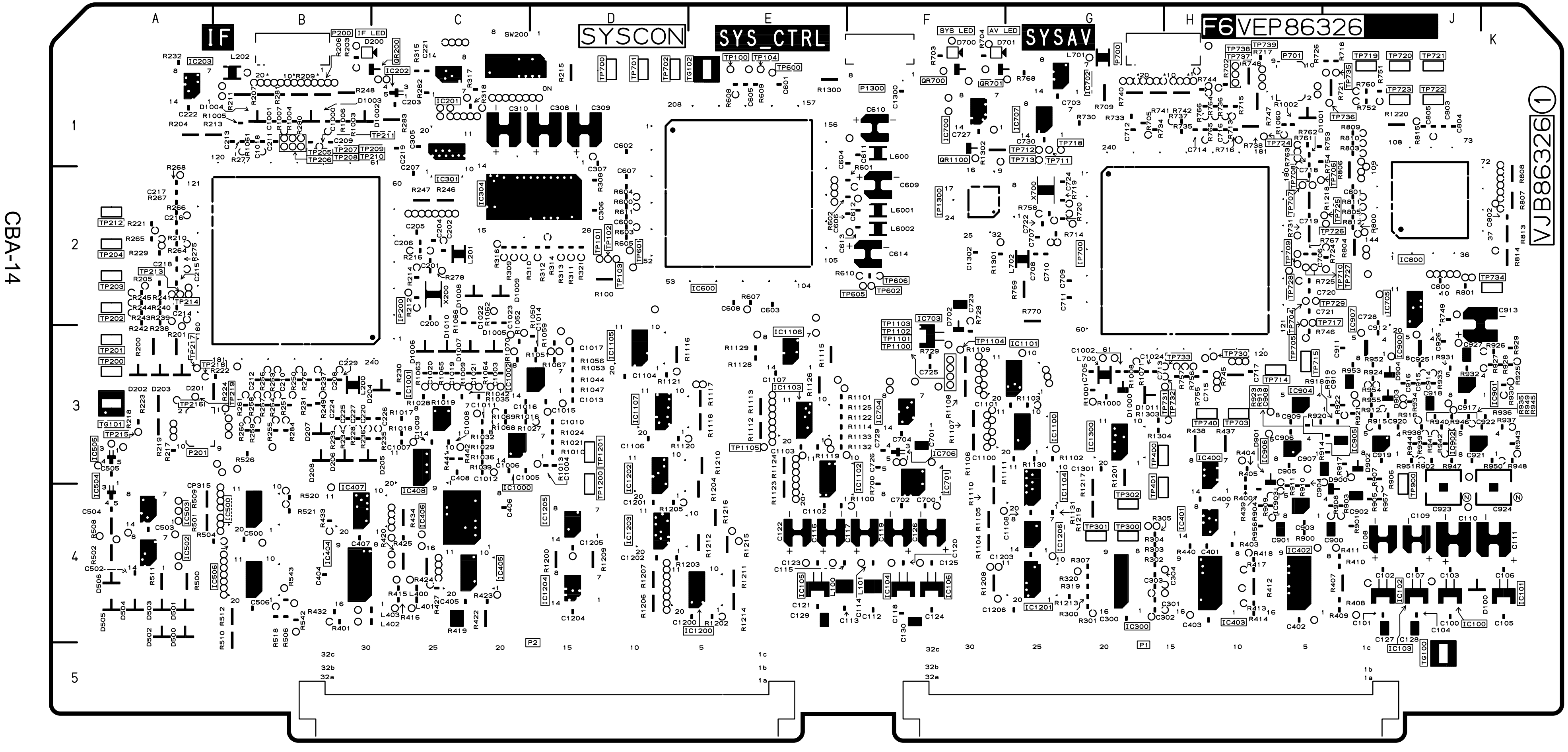
2
3
4
5
P1
P2
1c
1b
1a
5
10
15
20
25
30
32c
32b
32a

(FOIL SIDE)

F6: SYSCON P.C.BOARD (SD930:VEP86326B)(SD955A:VEP86326C)

COMPONENT SIDE

REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC
IC100	J4	IC300	G4	IC500	B4	IC705	J2	IC1002	D3	IC1206	D4	QR700	F1	TP202	A2	TP215	A3	TP605	F2	TP711	G1	TP724	H1	TP736	J1	TP1200	D3
IC101	K4	IC301	C1	IC502	A4	IC706	F3	IC1100	G3	IC1300	G3	QR701	F1	TP203	A2	TP216	A3	TP606	F2	TP712	G1	TP725	J2	TP737	H1	TP1201	D3
IC102	J4	IC304	C2	IC503	A4	IC707	G1	IC1101	G3	IP200	B2	QR1100	F1	TP204	A2	TP217	A3	TP700	D2	TP713	G1	TP726	J2	TP738	H1		
IC103	J4	IC400	H3	IC504	A4	IC800	J2	IC1102	E3	IP700	H2	TG100	J5	TP205	B1	TP218	A3	TP701	D2	TP714	H3	TP727	H2	TP739	H1		
IC104	F4	IC401	H4	IC505	A3	IC900	J3	IC1103	E3	IP1300	F2	TG101	A3	TP206	B1	TP219	A3	TP702	D2	TP715	H3	TP728	H2	TP740	H3		
IC104	G4	IC402	H4	IC506	B4	IC901	K3	IC1105	D3	P1	G5	TG102	E1	TP207	B1	TP300	G4	TP703	H3	TP717	H2	TP729	H2	TP900	J3		
IC105	E4	IC403	H4	IC600	E2	IC904	H3	IC1106	E3	P2	C5	TP100	E1	TP208	B1	TP301	G4	TP704	H2	TP718	G1	TP730	H3	TP1100	F3		
IC106	F4	IC404	B4	IC700	F1	IC905	J3	IC1200	E4	P200	B1	TP101	D2	TP209	B1	TP302	G4	TP705	H3	TP719	J1	TP731	H3	TP1101	F3		
IC201	C1	IC405	C3	IC701	F3	IC906	H3	IC1201	G4	P700	G1	TP102	D2	TP210	B1	TP400	G3	TP705	J2	TP720	J1	TP732	H3	TP1102	F3		
IC202	C1	IC406	C3	IC702	G1	IC907	J3	IC1202	D3	P701	H1	TP104	E1	TP211	B1	TP401	G4	TP707	H2	TP721	J1	TP733	H3	TP1103	F3		
IC203	A1	IC407	B4	IC703	F3	IC1000	C3	IC1203	D4	P1300	F1	TP200	A3	TP213	A2	TP600	E1	TP708	H2	TP722	J1	TP734	K3	TP1104	F3		
IC206	G4	IC408	C3	IC704	F3	IC1001	C3	IC1204	D4	QR200	C1	TP201	A3	TP214	A2	TP602	F2	TP709	H2	TP723	J1	TP735	J1	TP1105	E3		



(COMPONENT SIDE)

F7: SERVO P.C.BOARD (SD930:VEP82246B)(SD955A:VEP82246C)

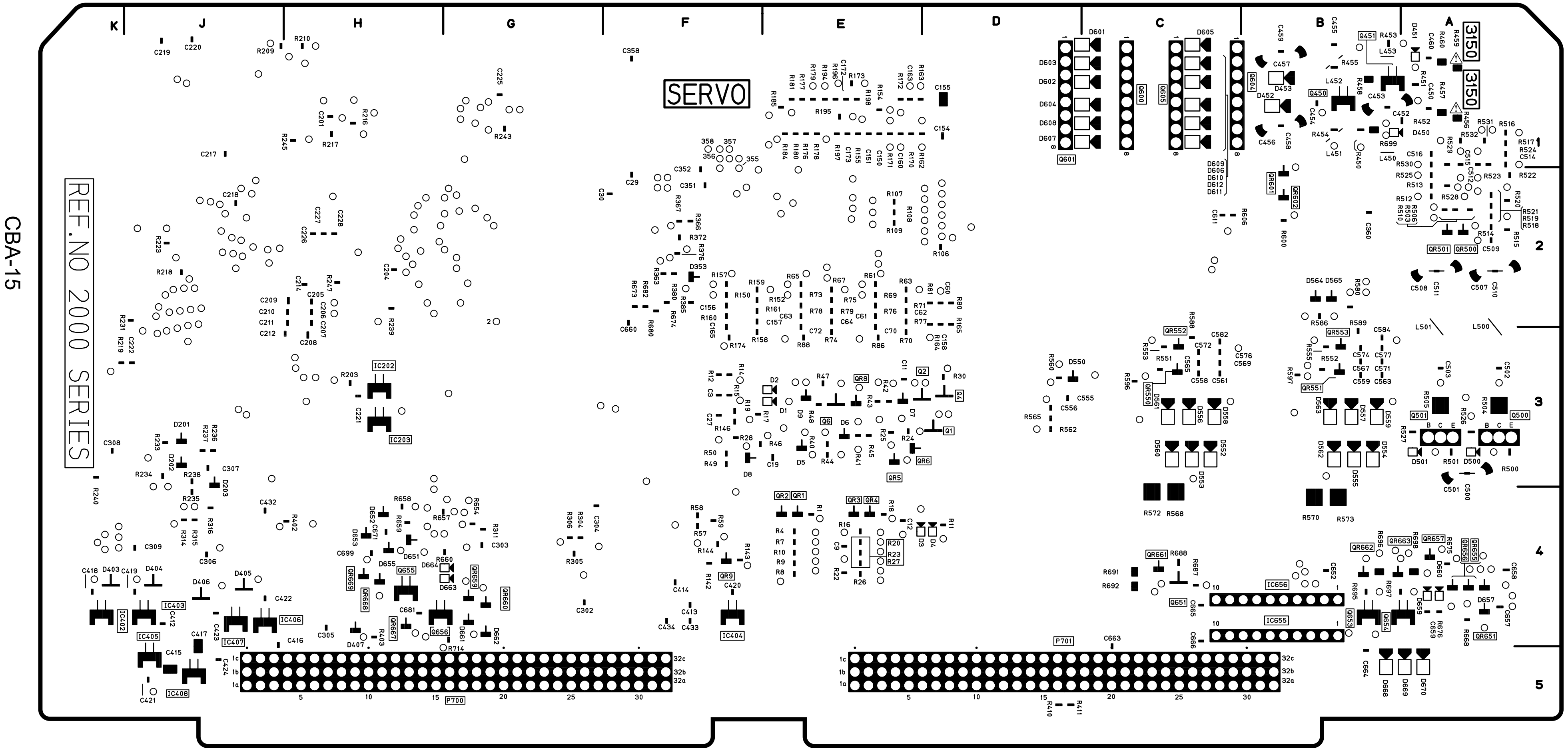
FOIL SIDE

REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC
IC202	H3	P700	G5	Q601	D1	QR4	E4	QR601	B2	QR667	H4
IC203	H3	P701	D5	Q604	C1	QR5	E3	QR602	B2	QR668	H4
IC402	K4	Q1	D3	Q605	C1	QR6	E3	QR651	A4	QR669	H4
IC403	J4	Q2	D3	Q651	C4	QR8	E3	QR655	A4		
IC404	F4	Q4	D3	Q653	B4	QR9	F4	QR656	A4		
IC405	J5	Q6	E3	Q654	A4	QR500	A2	QR657	A4		
IC406	J4	Q450	B1	Q655	H4	QR501	A2	QR659	G4		
IC407	J4	Q451	B1	Q656	H4	QR550	C3	QR660	G4		
IC408	J5	Q500	A3	QR1	E4	QR551	B3	QR661	C4		
IC655	B4	Q501	A3	QR2	E4	QR552	C3	QR662	B4		
IC656	B4	Q600	C1	QR3	E4	QR553	B3	QR663	B4		

IMPORTANT SAFETY NOTICE:
COMPONENTS IDENTIFIED WITH THE MARK ⚠ HAVE THE SPECIAL CHARACTERISTICS FOR SAFETY.
WHEN REPLACING ANY OF THESE COMPONENTS. USE ONLY THE SAME TYPE.

⚠ 警 告

⚠ 印の部品は安全上重要な部品です。
交換するときは、安全及び性能維持のため必ず指定の部品をご使用ください。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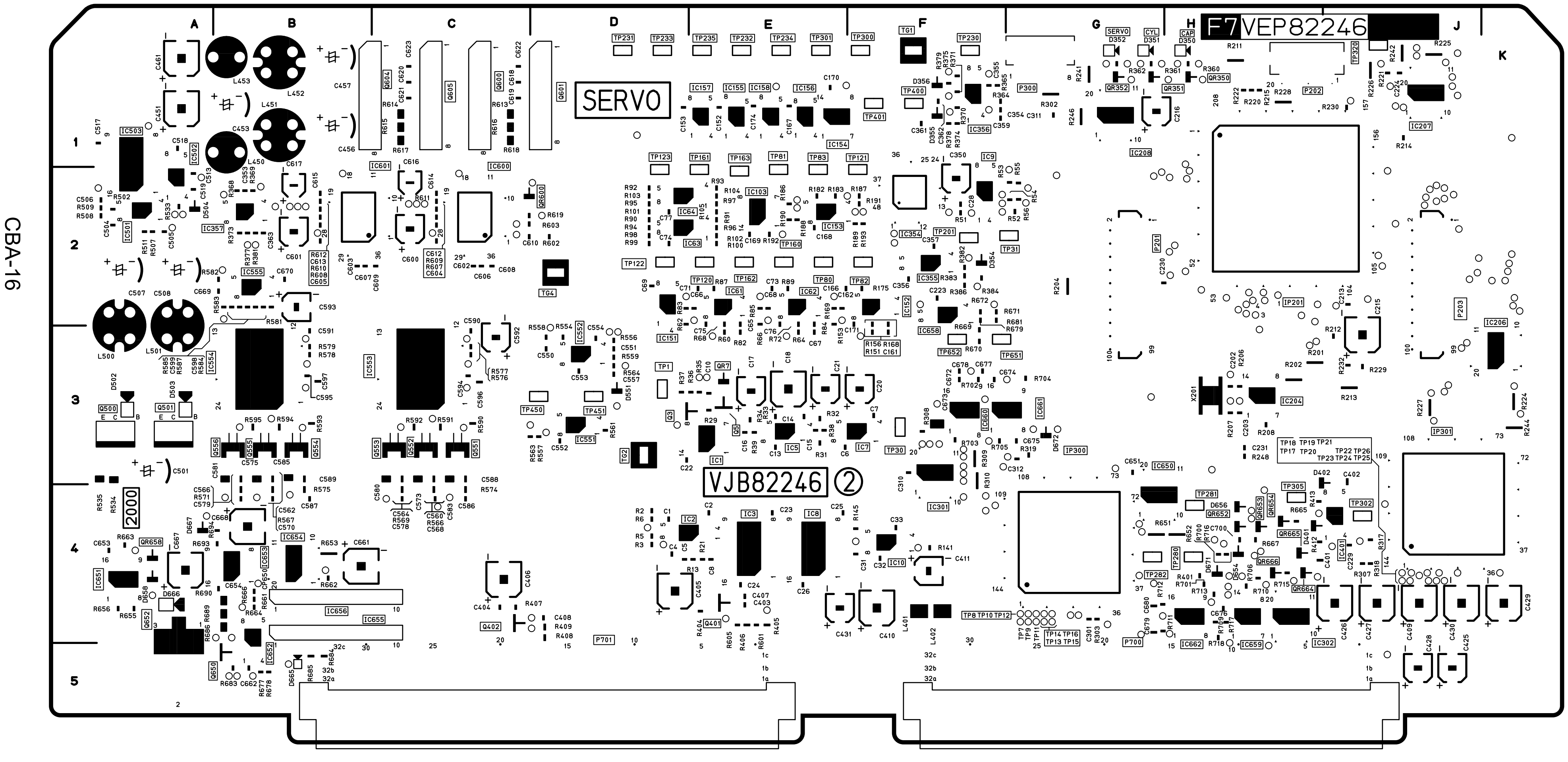
(FOIL SIDE)

F7: SERVO P.C.BOARD (SD930:VEP82246B)(SD955A:VEP82246C)

COMPONENT SIDE

REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC
IC1	E3	IC103	E2	IC207	J1	IC502	A2	IC652	B4	IP300	G4	Q402	C4	Q604	B1	QR654	H4	TP12	G4	TP23	J4	TP121	F2	TP233	D1	TP400	F1
IC2	D4	IC151	D2	IC208	G1	IC503	A1	IC653	B4	IP301	J4	Q500	A3	Q605	C1	QR658	A4	TP13	G4	TP24	J4	TP122	D2	TP234	D1	TP401	F1
IC3	E4	IC152	F2	IC301	F3	IC551	D3	IC654	B4	P201	G2	Q501	A3	Q650	B5	QR664	H4	TP14	G4	TP25	J4	TP123	D2	TP235	D1	TP450	D3
IC5	E3	IC153	E2	IC302	H4	IC552	D3	IC655	B4	P202	H1	Q551	C3	Q652	A4	QR665	H4	TP15	G4	TP26	J4	TP160	E2	TP280	H4	TP451	D3
IC7	F3	IC154	D1	IC354	F2	IC553	C3	IC656	B4	P203	J2	Q552	C3	QR7	E3	QR666	H4	TP16	G4	TP30	F3	TP161	E2	TP281	H4	TP651	F3
IC8	E4	IC155	D1	IC355	F2	IC554	B3	IC658	F2	P300	G1	Q553	C3	QR350	H1	TG1	F1	TP17	J4	TP31	G2	TP162	E2	TP282	G4	TP652	F3
IC9	F2	IC156	D1	IC356	F1	IC555	B2	IC659	H4	P700	G5	Q554	B3	QR351	G1	TG2	D3	TP18	J4	TP80	E2	TP163	E2	TP300	F1		
IC10	F4	IC157	D1	IC357	A2	IC600	C2	IC660	F3	P701	D5	Q555	B3	QR352	G1	TG4	D2	TP19	J4	TP81	E2	TP201	F2	TP301	D1		
IC61	E2	IC158	D1	IC364	D2	IC601	B2	IC661	G3	Q3	D3	Q556	B3	QR600	C2	TP1	D3	TP20	J4	TP82	F2	TP230	F1	TP302	J4		
IC62	E2	IC204	H3	IC401	J4	IC650	G4	IC662	H4	Q5	E3	Q600	C1	QR652	H4	TP8	G4	TP21	J4	TP83	E2	TP231	D1	TP305	H4		
IC63	D2	IC206	K3	IC501	A2	IC651	A4	IP201	H2	Q401	E4	Q601	D1	QR653	H4	TP10	G4	TP22	J4	TP120	E2	TP232	D1	TP320	J1		

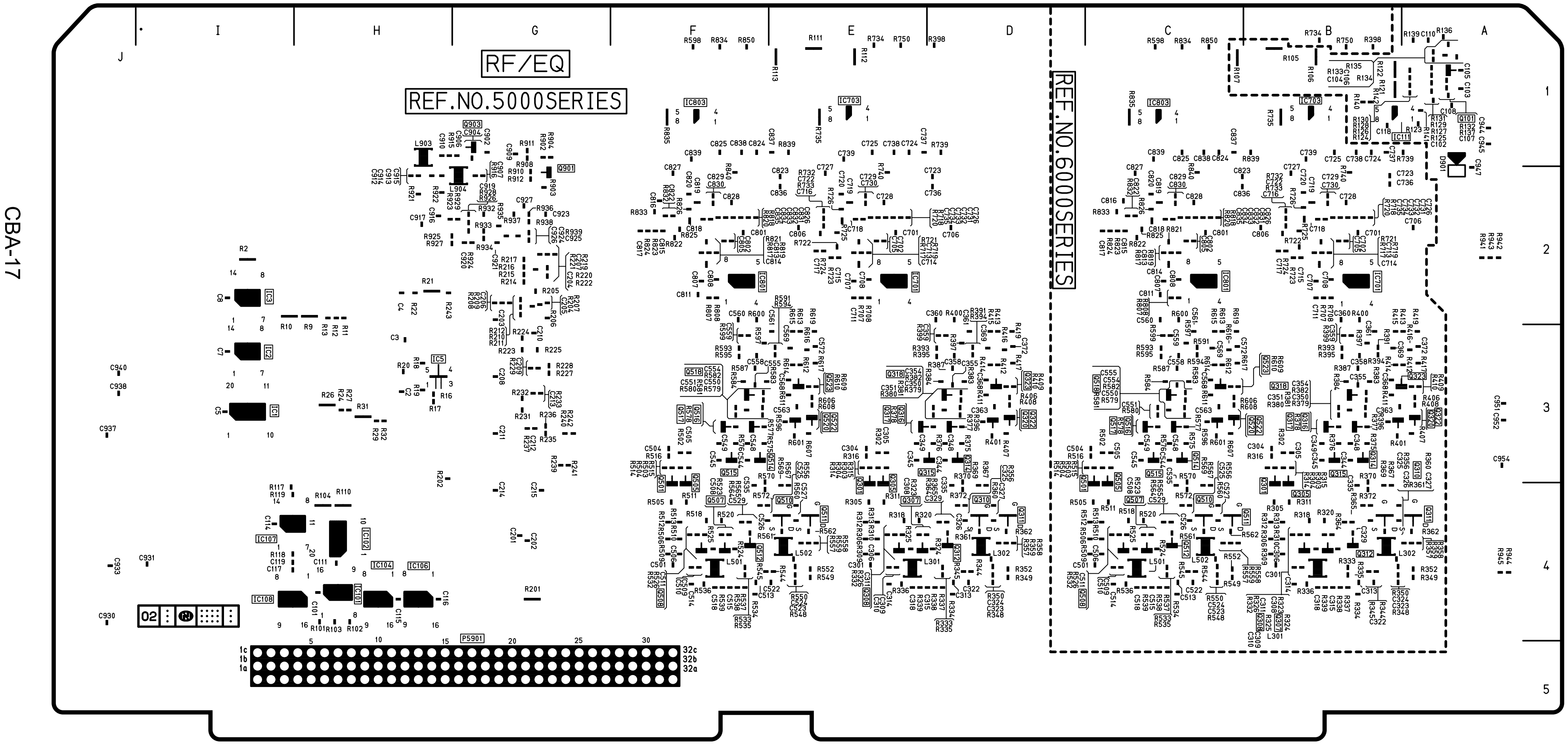


(COMPONENT SIDE)

F8: RF/EQ P.C.BOARD (VEP85207A)

FOIL SIDE

REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC
IC5001	I3	IC6701	B2	Q5316	D3	Q5516	F3	Q6314	B3	Q6514	C3
IC5002	I3	IC6703	B1	Q5317	E3	Q5517	F3	Q6315	B3	Q6515	C3
IC5003	I2	IC6801	C2	Q5318	D3	Q5518	F3	Q6316	B3	Q6516	C3
IC5005	H3	IC6803	C1	Q5320	D3	Q5520	E3	Q6317	B3	Q6517	C3
IC5101	H4	P5901	G5	Q5322	D3	Q5522	E3	Q6318	B3	Q6518	C3
IC5102	H4	Q5101	A1	Q5323	D3	Q5523	E3	Q6320	B3	Q6520	C3
IC5104	H4	Q5301	E3	Q5501	F3	Q5901	G2	Q6322	A3	Q6522	C3
IC5106	H4	Q5305	E3	Q5505	F3	Q5903	G1	Q6323	B3	Q6523	C3
IC5107	I4	Q5307	E4	Q5507	F4	Q6301	B3	Q6501	C3		
IC5108	I4	Q5308	E4	Q5508	F4	Q6305	B3	Q6505	C3		
IC5111	B1	Q5310	D4	Q5510	E4	Q6307	B4	Q6507	C4		
IC5701	E2	Q5311	D4	Q5511	E4	Q6308	B4	Q6508	C4		
IC5703	E1	Q5312	D4	Q5512	F4	Q6310	B4	Q6510	C4		
IC5801	F2	Q5314	D3	Q5514	F3	Q6311	A4	Q6511	C4		
IC5803	F1	Q5315	D3	Q5515	F3	Q6312	B4	Q6512	C4		



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(FOIL SIDE)

F8: RF/EQ P.C.BOARD (VEP85207A)

COMPONENT SIDE

REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC
IC5004	H3	IC5209	G3	IC5802	F2	IC6501	C4	Q5304	E4	Q5701	E2	Q6309	A4	TG5102	E1	TP5203	G4	TP5758	E2	TP5774	D1	TP5862	F1	TP5901	G2	TP6760	B1	TP6776	B2	TP6865	C1
IC5006	H3	IC5301	E4	IC5804	F2	IC6502	C4	Q5306	E4	Q5801	F2	Q6313	B3	TP5051	H3	TP5204	G4	TP5759	E2	TP5775	D1	TP5863	F1	TP5961	F1	TP6761	B1	TP6801	C1	TP6866	C1
IC5007	H3	IC5302	D4	IC5901	H2	IC6503	C3	Q5309	D4	Q5902	G1	Q6319	B3	TP5052	H3	TP5205	G4	TP5760	E1	TP5776	D2	TP5864	F1	TP6301	B1	TP6763	B1	TP6802	C1	TP6867	C1
IC5103	B1	IC5303	D3	IC5902	G2	IC6504	C3	Q5313	D3	Q5904	G2	Q6321	A3	TP5053	H3	TP5206	G4	TP5761	E1	TP5801	F1	TP5865	F1	TP6501	C1	TP6764	B1	TP6851	B2	TP6868	C1
IC5105	E1	IC5304	D3	IC5903	G2	IC6505	C3	Q5319	D3	Q5905	H1	Q6502	C4	TP5054	H3	TP5301	D1	TP5762	E1	TP5802	F1	TP5866	F1	TP6701	B1	TP6765	B1	TP6852	B2	TP6869	C1
IC5109	A1	IC5305	D3	IC5904	J4	IC6506	C3	Q5321	D3	Q5906	G1	Q6503	C4	TP5055	H3	TP5501	F1	TP5763	E1	TP5851	E2	TP5867	F1	TP6702	B1	TP6766	B1	TP6853	C2	TP6870	C1
IC5110	A1	IC5306	D3	IC5905	J3	IC6702	B2	Q5502	F4	Q5907	H2	Q6504	C4	TP5056	H3	TP5701	E1	TP5764	E1	TP5852	E2	TP5868	E1	TP6751	B2	TP6767	B1	TP6854	C2	TP6871	B1
IC5201	G4	IC5501	F4	IC5906	A2	IC6704	B2	Q5503	F4	Q5908	H2	Q6506	C4	TP5057	H3	TP5702	E1	TP5765	E1	TP5853	E2	TP5869	E1	TP6752	B2	TP6768	B1	TP6855	C2	TP6872	B1
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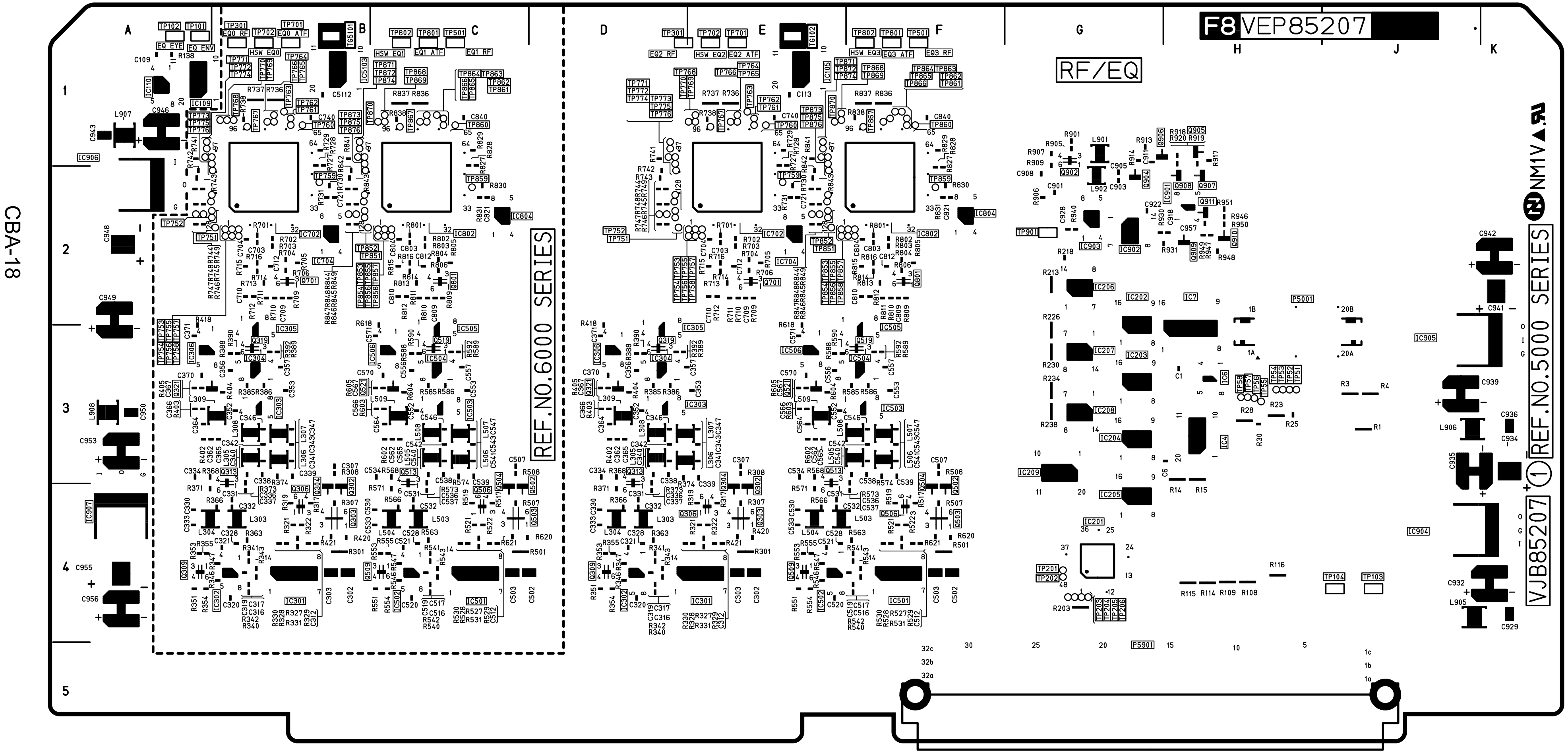
IC5208	G3	IC5704	E2	IC6306	A3	Q5303	E4	Q5602	E4	Q6306	B4	TG5101	B1	TP5202	G4	TP5757	E2	TP5773	D1	TP5860	F1	TP5876	E2	TP6759	B2	TP6775	A1	TP6862	C1		



(COMPONENT SIDE)

RF/CUE P.C.BOARD (VEP85208A)

FOIL SIDE

REF	LOC	REF	LOC	REF	LOC
IC4003	D2	Q5107	D2	QR4001	B2
IC4004	D2	Q5108	C2	QR4002	C2
IC4007	D2	Q5109	C3	QR4003	B2
P4001	A1	Q5110	D2	QR4004	C2
P5901	E3	Q5111	C2	QR4005	B1
Q4001	B2	Q5112	C2	QR4006	B1
Q4002	C1	Q5203	B2	QR4007	A2
Q4003	B2	Q5205	B2	QR4008	A1
Q4004	C2	Q5209	C2	QR4009	A1
Q4005	A1	Q5210	C2	QR4010	B2
Q4006	A1	Q5211	C2	QR5002	C3
Q4007	A1	Q5212	C2	QR5003	C3
Q4008	A1	Q5213	C2	QR5004	D2
Q4009	A1	Q5214	C2	TG5950	A4
Q4010	A2	Q5405	B3	VR4001	A1
Q4011	A2	Q5406	B3		
Q5101	D3	Q5409	C3		
Q5102	C3	Q5410	C3		
Q5103	C3	Q5411	C3		
Q5104	D3	Q5412	C3		
Q5105	C3	Q5413	C3		
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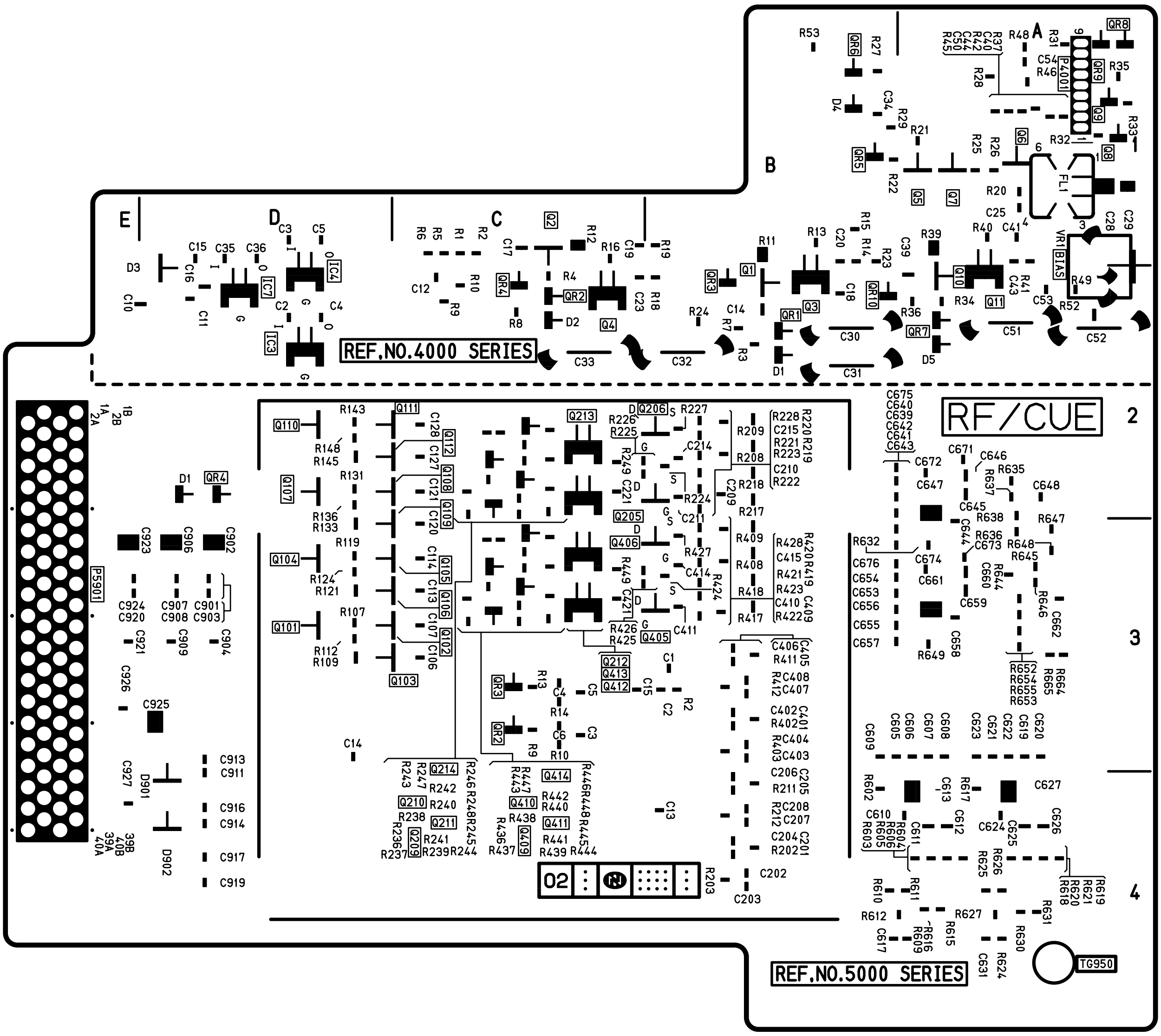

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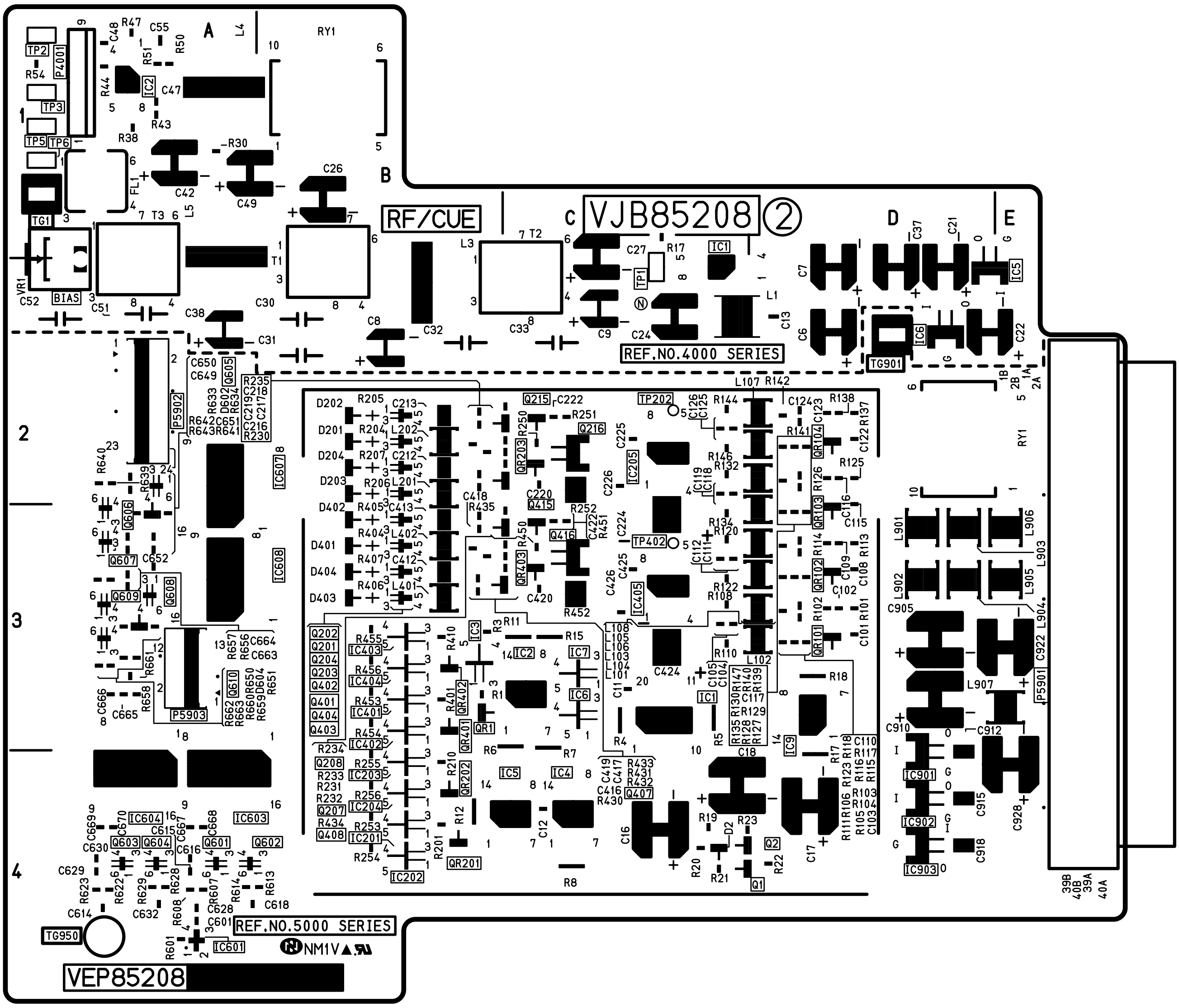
(FOIL SIDE)

RF/CUE P.C.BOARD (VEP85208A)

COMPONENT SIDE

REF	LOC	REF	LOC	REF	LOC	REF	LOC
IC4001	C2	IC5601	A4	Q5401	B3	QR5104	D2
IC4002	A1	IC5603	A4	Q5402	B3	QR5201	B4
IC4005	D2	IC5604	A4	Q5403	B3	QR5202	B4
IC4006	D2	IC5607	A2	Q5404	B3	QR5203	C2
IC5001	C3	IC5608	A3	Q5407	C3	QR5401	B3
IC5002	C3	IC5901	D4	Q5408	C3	QR5402	B3
IC5003	B3	IC5902	D4	Q5415	C3	QR5403	C3
IC5004	C4	IC5903	D4	Q5416	C3	TG4001	A1
IC5005	C4	P4001	A1	Q5601	A4	TG4901	D2
IC5006	C3	P5901	E3	Q5602	A4	TG5950	A4
IC5007	C3	P5902	A2	Q5603	A4	TP4001	C2
IC5009	D3	P5903	A3	Q5604	A4	TP4002	A1
IC5201	B4	Q5001	C4	Q5605	A2	TP4003	A1
IC5202	B4	Q5002	C4	Q5606	A3	TP4005	A1
IC5203	B4	Q5201	B2	Q5607	A3	TP4006	A1
IC5204	B4	Q5202	B2	Q5608	A3	TP5202	C2
IC5205	C2	Q5203	B2	Q5609	A3	TP5402	C3
IC5401	B3	Q5204	B2	Q5610	A3	VR4001	A1
IC5402	B3	Q5207	C2	QR5001	B3		
IC5403	B3	Q5208	C2	QR5101	D3		
IC5404	B3	Q5215	C2	QR5102	D3		
IC5405	C3	Q5216	C2	QR5103	D3		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(COMPONENT SIDE)

FRONT P.C.BOARD (SD930: VEP86327A) (SD955A: VEP86327B)

FOIL SIDE

REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC
IC103	K3	P300	F1	QR307	K3	QR323	J2	QR339	N1
IC114	H4	Q400	F3	QR308	J3	QR324	J1	QR400	B2
IC300	K1	Q401	F3	QR309	J3	QR325	J1	QR401	B2
IC302	J2	Q403	H2	QR310	K2	QR326	K1	QR402	C2
IC303	J1	Q404	G2	QR311	J2	QR327	F3	VR500	C4
IC304	H1	Q405	B2	QR312	N1	QR328	H3	VR501	D4
IC500	D3	Q406	B2	QR313	L1	QR329	F2	VR502	D4
IC501	D3	Q407	C2	QR314	N1	QR330	H2	VR503	E4
IC502	B3	Q500	A3	QR315	D3	QR331	G1	VR505	A2
IC505	B3	QR300	L2	QR316	E3	QR332	G1		
IC506	B3	QR301	L1	QR317	E3	QR333	G1		
IC507	A2	QR302	M1	QR318	C3	QR334	G1		
IC508	A2	QR303	M1	QR319	C4	QR335	H1		
P100	B3	QR304	G1	QR320	G2	QR336	H1		
P101	L3	QR305	G1	QR321	G2	QR337	H1		
P200	N1	QR306	G1	QR322	G3	QR338	H1		

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⚠ 警 告

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交換するときは、安全及び性能維持のため必ず指定の部品をご使用ください。

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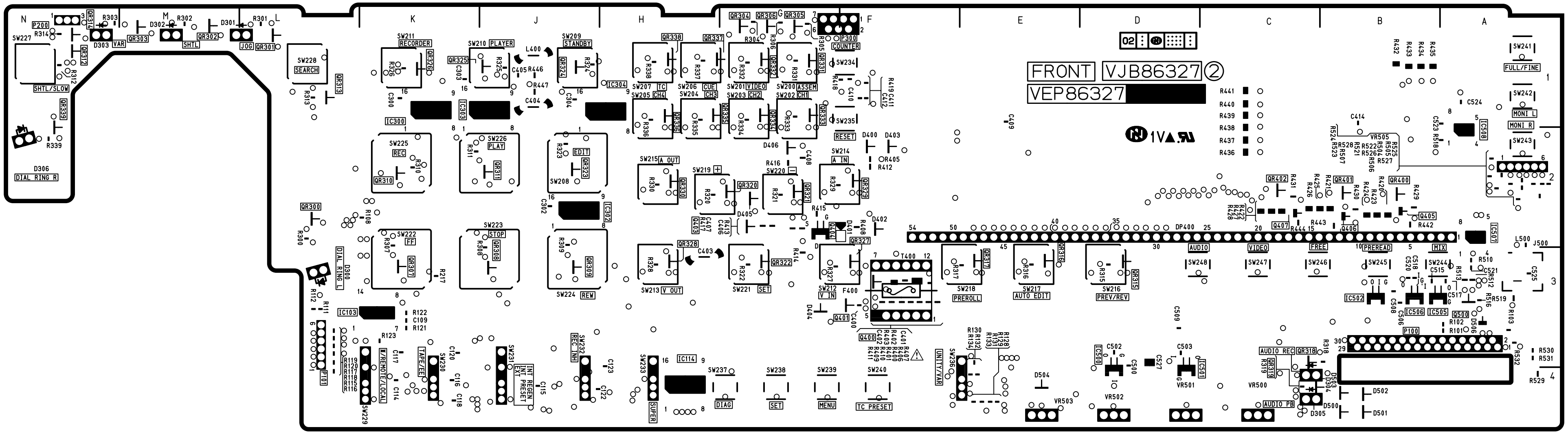

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D
C
B
A
SW227 SHTL/SLOW
D306 DIAL RING R
SW211 RECORDER
SW210 PLAYER
SW209 STANDBY
SW228 SEARCH
SW225 REC
SW226 PLAY
SW208 EDIT
SW222 FF
SW223 STOP
SW224 REW
D300 DIAL RING L
SW207 TC
SW205 CH4
SW206 CUE
SW204 CH3
SW201 VIDEO
SW203 CH2
SW200 ASSEM
SW202 CH1
SW234
SW235
RESET
SW215 A OUT
SW219
SW220
SW214 A IN
SW213 V OUT
SW221 SET
SW212 V IN
SW218 PREROLL
SW217 AUTO EDIT
SW216 PREV/REV
DP400
AUDIO
VIDEO
FREE
PREREAD
MIX
SW241 FULL/FINE
SW242 MONI L
MONI R
SW243
SW229 W/REMOTE/LOCAL
SW230 TAPE/EE
SW231 INT REGEN EXT PRESET
SW232 REC INH
SW233 SUPER
SW237 DIAG
SW238 SET
SW239 MENU
SW240 TC PRESET
SW236 UNITY/VAR
AUDIO REC
AUDIO PB
VR500
VR501
VR502
VR503
P100

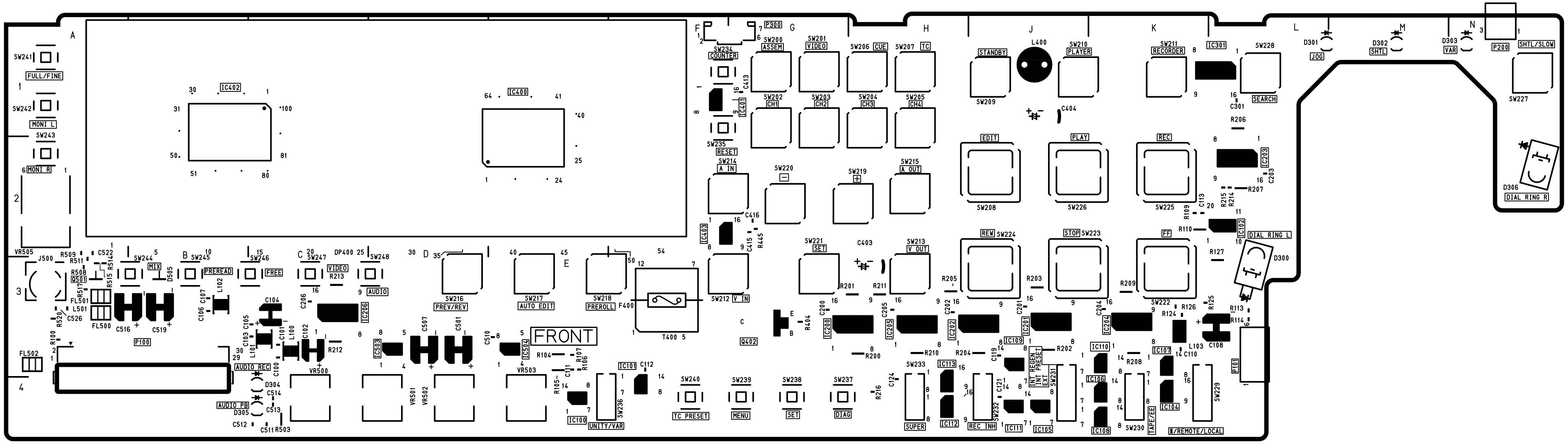
(FOIL SIDE)

FRONT P.C.BOARD (SD930: VEP86327A) (SD955A: VEP86327B)

COMPONENT SIDE

REF	LOC	REF	LOC	REF	LOC
IC100	E4	IC203	L2	VR500	C4
IC101	E4	IC204	K3	VR501	D4
IC102	L2	IC205	H3	VR502	D4
IC104	K4	IC206	C3	VR503	E4
IC105	J4	IC301	L1	VR505	A2
IC106	K4	IC400	E1		
IC107	K3	IC401	F1		
IC108	K4	IC402	B1		
IC109	J3	IC403	F2		
IC110	K3	IC503	D3		
IC111	J4	IC504	E3		
IC112	H4	P100	B4		
IC113	H4	P101	L3		
IC200	H3	P200	N1		
IC201	J3	P300	G1		
IC202	J3	Q402	G3		

CBA-22


A
B
C
D
E
F
G
H
J
K
L
M
N
1
2
3
4
IC402
IC400
FRONT
FULL/FINE
MONI L
MONI R
COUNTER
ASSEM
VIDEO
CUE
TC
STANDBY
PLAYER
RECORDER
SEARCH
JOG
SHTL
VAR
SHTL/SLOW
CH1
CH2
CH3
CH4
RESET
A IN
A OUT
EDIT
PLAY
REC
REW
STOP
FF
SET
V OUT
V IN
DIAL RING L
DIAL RING R
MIX
PREREAD
FREE
AUDIO
PREV/REV
AUTO EDIT
PREROLL
AUDIO REC
AUDIO PB
UNITY/VAR
TC PRESET
MENU
SET
DIAG
SUPER
REC INH
TAPE/EE
■/REMOTE/LOCAL
P100
P101
P200
P300
VR500
VR501
VR502
VR503
VR505
L400
D300
D306

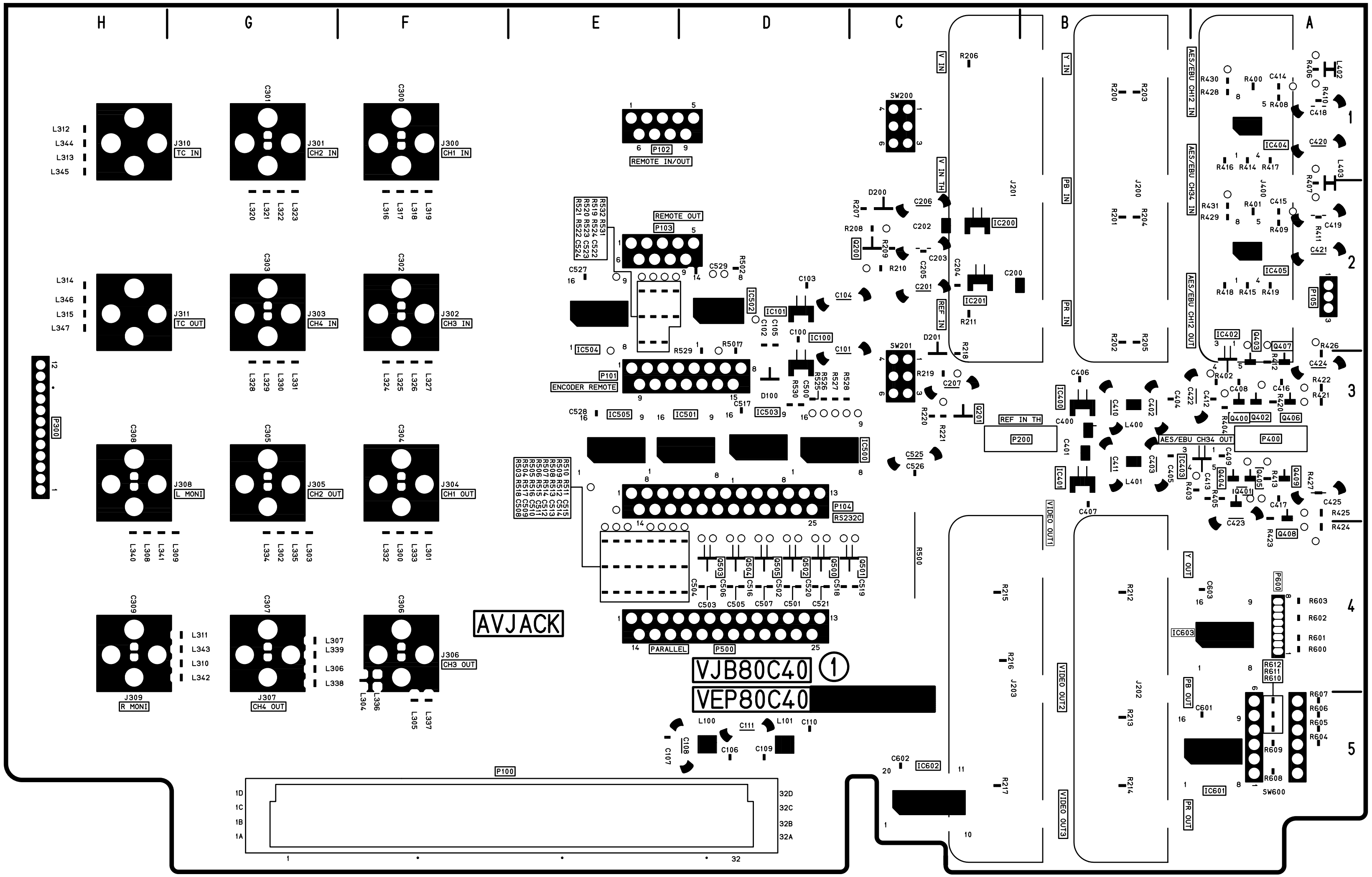
(COMPONENT SIDE)

AV JACK P.C.BOARD (VEP80C40A)

FOIL SIDE

REF	LOC
IC100	D3
IC101	D2
IC200	C2
IC201	C2
IC400	B3
IC401	B3
IC402	A3
IC403	A3
IC404	A1
IC405	A2
IC500	D3
IC501	D3
IC502	D2
IC503	D3
IC504	E2
IC505	E3
IC601	A5
IC602	C5
IC603	A4
P100	E5
P102	E1
P103	E2
P104	D3
P105	A2
P200	C3
P300	H3
P400	A3
P500	D4
P600	A4
Q200	C2
Q201	C3
Q400	A3
Q402	A3
Q403	A3
Q404	A3
Q405	A3
Q406	A3
Q407	A3
Q408	A3
Q409	A3
Q500	D4
Q501	C4
Q502	D4
Q503	D4
Q504	D4
Q505	D4

CBA-23



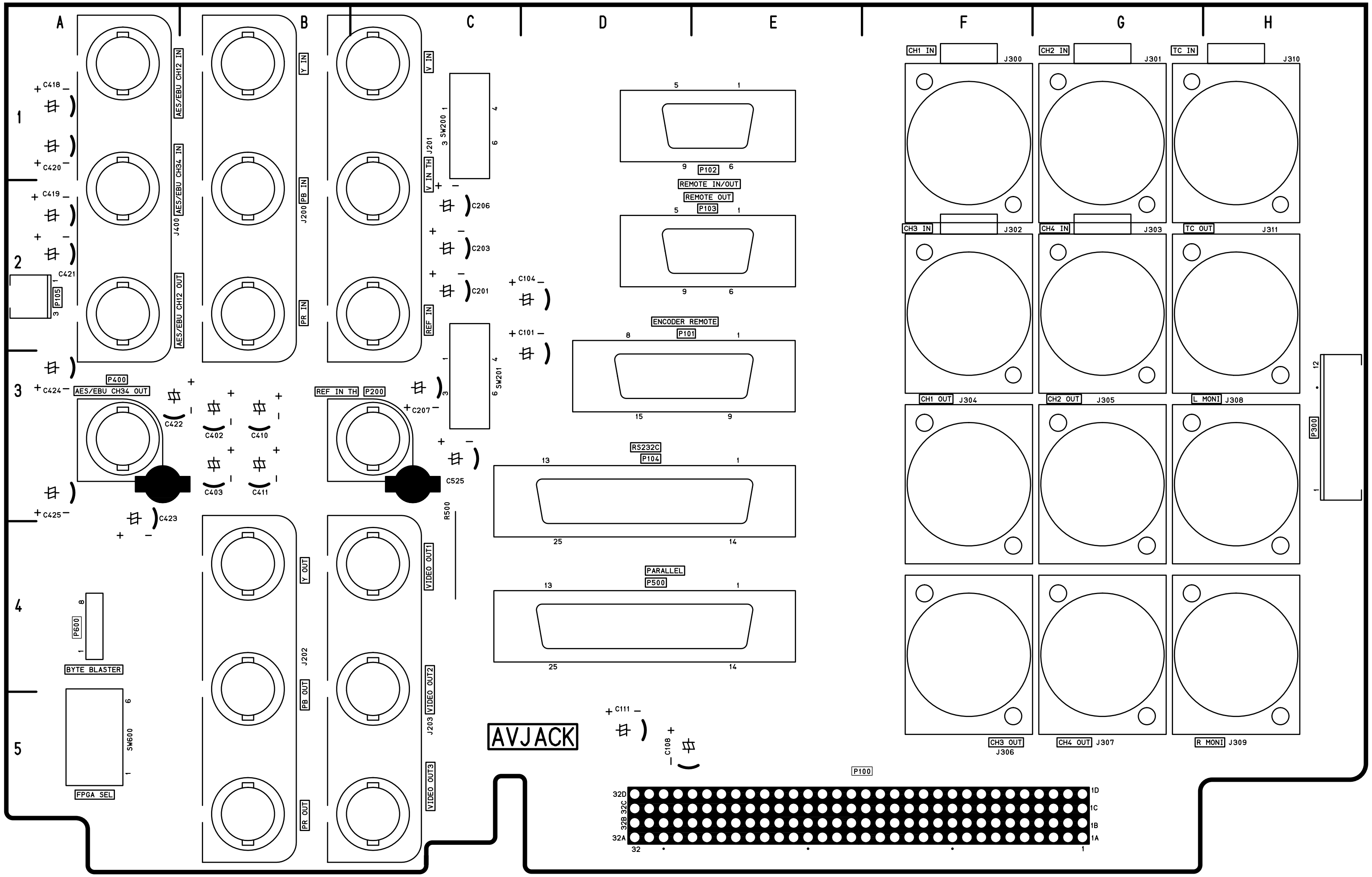
H
G
F
E
D
C
B
A
1
2
3
4
5
J310 TC IN
J301 CH2 IN
J300 CH1 IN
J311 TC OUT
J303 CH4 IN
J302 CH3 IN
J308 L MONI
J305 CH2 OUT
J304 CH1 OUT
J309 R MONI
J307 CH4 OUT
J306 CH3 OUT
P102 REMOTE IN/OUT
P103 REMOTE OUT
P101 ENCODER REMOTE
P104 RS232C
P500 PARALLEL
P100
P300
P200 REF IN TH
P400 AES/EBU CH34 OUT
P105
P600
SW200
SW201
SW600
V IN
V IN TH
REF IN
Y IN
PB IN
PR IN
AES/EBU CH12 IN
AES/EBU CH34 IN
AES/EBU CH12 OUT
VIDEO OUT1
VIDEO OUT2
VIDEO OUT3
Y OUT
PB OUT
PR OUT
AVJACK
VJB80C40 ①
VEP80C40

(FOIL SIDE)

AV JACK P.C.BOARD (VEP80C40A)

COMPONENT SIDE

REF	LOC
P100	E5
P101	D3
P102	E1
P103	E2
P104	D3
P105	A2
P200	C3
P300	H3
P400	A3
P500	D4
P600	A4


A
B
C
D
E
F
G
H
1
2
3
4
5
C418
C420
C419
C421
C424
C425
C422
C423
C402
C410
C403
C411
C206
C203
C201
C207
C525
C104
C101
C111
C108
R500
P105
P400
AES/EBU CH34 OUT
AES/EBU CH12 IN
AES/EBU CH34 IN
AES/EBU CH12 OUT
J400
Y IN
PB IN
PR IN
J200
V IN
V IN TH
J201
REF IN
REF IN TH
P200
SW200
SW201
Y OUT
PB OUT
PR OUT
J202
VIDEO OUT1
VIDEO OUT2
VIDEO OUT3
J203
P600
BYTE BLASTER
SW600
FPGA SEL
P102
REMOTE IN/OUT
REMOTE OUT
P103
ENCODER REMOTE
P101
RS232C
P104
PARALLEL
P500
AVJACK
P100
32D
32C
32B
32A
1D
1C
1B
1A
CH1 IN
J300
CH2 IN
J301
TC IN
J310
CH3 IN
J302
CH4 IN
J303
TC OUT
J311
CH1 OUT
J304
CH2 OUT
J305
L MONI
J308
CH3 OUT
J306
CH4 OUT
J307
R MONI
J309
P300

(COMPONENT SIDE)

POWER1 P.C.BOARD (VEP81221C)

FOIL SIDE

REF	LOC
IC1001	C3
IC1101	C4
IC1102	C4
IC1103	C3
IC1201	D2
IC1202	D3
IC1203	D4
IC1204	D4
IC1205	D1
P1103	A1
P1201	F2
P1202	F3
Q1001	B1
Q1002	C2
Q1003	C2
Q1004	C3
Q1101	B4
Q1102	B3
Q1103	B2
Q1201	D4
Q1202	D4
Q1203	D4
Q1204	B3
QR1001	C3
QR1002	C3
QR1101	B4
QR1102	C4
QR1103	C4
QR1104	C4
QR1105	C4
QR1201	D3
QR1202	D3
QR1203	F4
QR1204	F4
QR1205	F4
QR1206	F4
QR1207	F4

JAPAN ONLY

⚠ 警 告

感電注意	AC100V の加わっている活電部（充電部、活電部）に直接触れないでください。 + 感電ややけどの可能性があります。

① ⚠ 警 告　⚠ 印の部品は安全上重要な部品です。交換するときは、安全及び性能維持のため必ず指定の部品をご使用ください。

② ▭ 内は充電部です。AC100Vが加わっておりますので点検、修理のときは感電しないよう充分ご注意ください。

③ 部品交換時には、電源プラグをぬいてから行ってください。

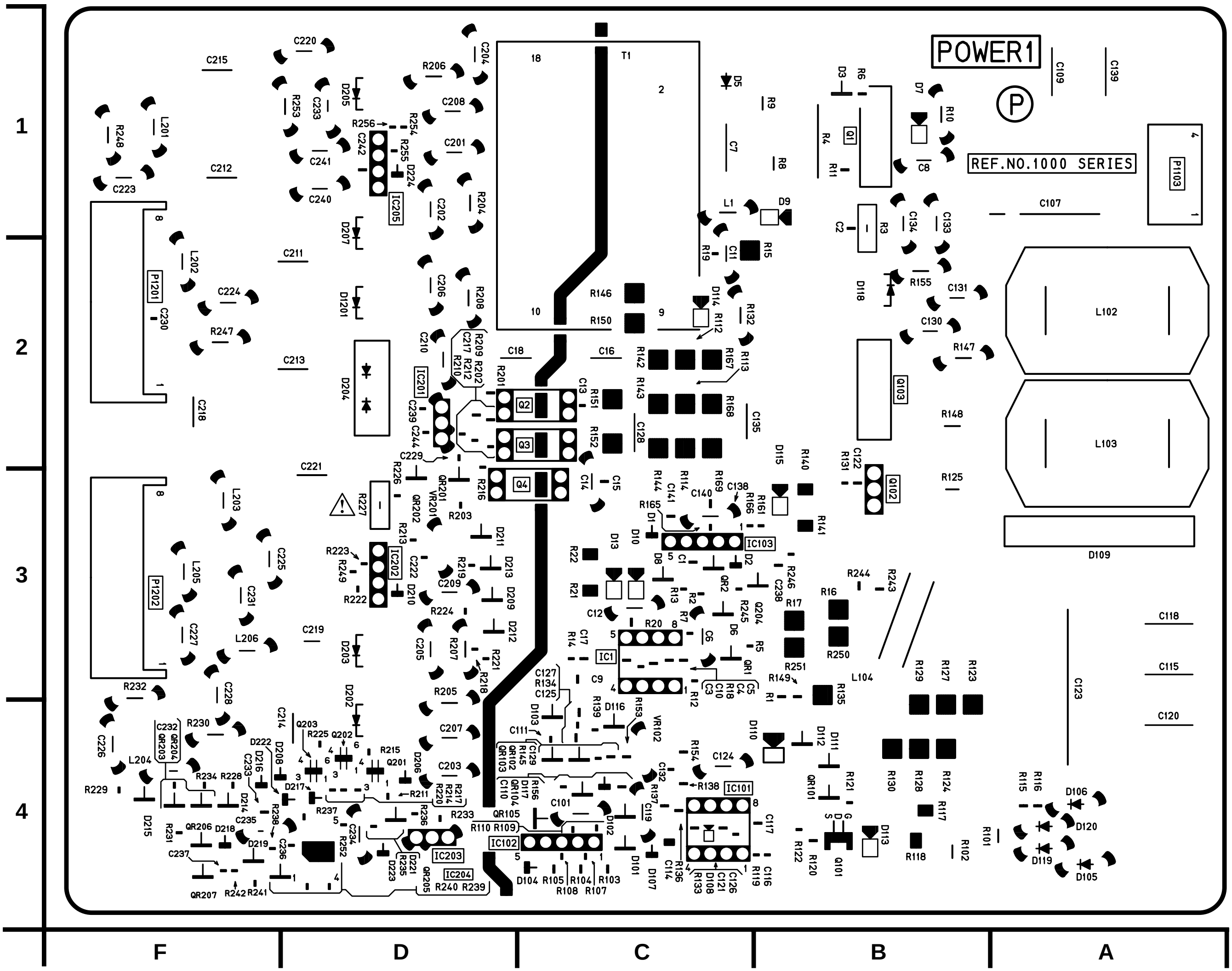
④ 一次側（充電部）の電圧・波形は、一次側アースを基準に測定してください。

⑤ 部品品番は、部品価格表で確認の上交換ください。

IMPORTANT SAFETY NOTICE:
COMPONENTS IDENTIFIED WITH THE MARK ⚠ HAVE THE SPECIAL CHARACTERISTICS FOR SAFETY.
WHEN REPLACING ANY OF THESE COMPONENTS. USE ONLY THE SAME TYPE.

CAUTION

THE ▭ MARK INDICATES THE PRIMARY CIRCUIT TO DISTINGUISH THE PRIMARY FROM THE SECONDARY CIRCUIT. PAY ATTENTION NOT TO RECEIVE AN ELECTRIC SHOCK DURING REPAIR AND SERVICE OF THE PRODUCTS.


POWER1
REF.NO.1000 SERIES
1
2
3
4
F
D
C
B
A
T1
L102
L103
D109
P1103
P1201
P1202
IC1
IC101
IC102
IC103
IC201
IC202
IC203
IC204
IC205
Q1
Q2
Q3
Q4
Q101
Q102
Q103
C107
L104
C123
C118
C115
C120

(FOIL SIDE)

POWER1 P.C.BOARD (VEP81221C)

COMPONENT SIDE

REF	LOC
IC1001	C3
IC1101	C4
IC1102	D4
IC1103	C3
IC1201	D2
IC1202	D3
IC1203	D4
IC1205	D1
P1103	A1
P1201	E2
P1202	E3
Q1001	B1
Q1002	D2
Q1003	D2
Q1004	D3
Q1102	B2
Q1103	B2
VR1102	C4
VR1201	D3

JAPAN ONLY

⚠ 警 告

感電注意

AC100V の加わっている活電部（充電部、活電部）に直接触れないでください。

+ 感電ややけどの可能性があります。

① ⚠ 警 告 ⚠ 印の部品は安全上重要な部品です。交換するときは、安全及び性能維持のため必ず指定の部品をご使用ください。

② ▭ 内は充電部です。AC100Vが加わっておりますので点検、修理のときは感電しないよう充分ご注意ください。

③ 部品交換時には、電源プラグをぬいてから行ってください。

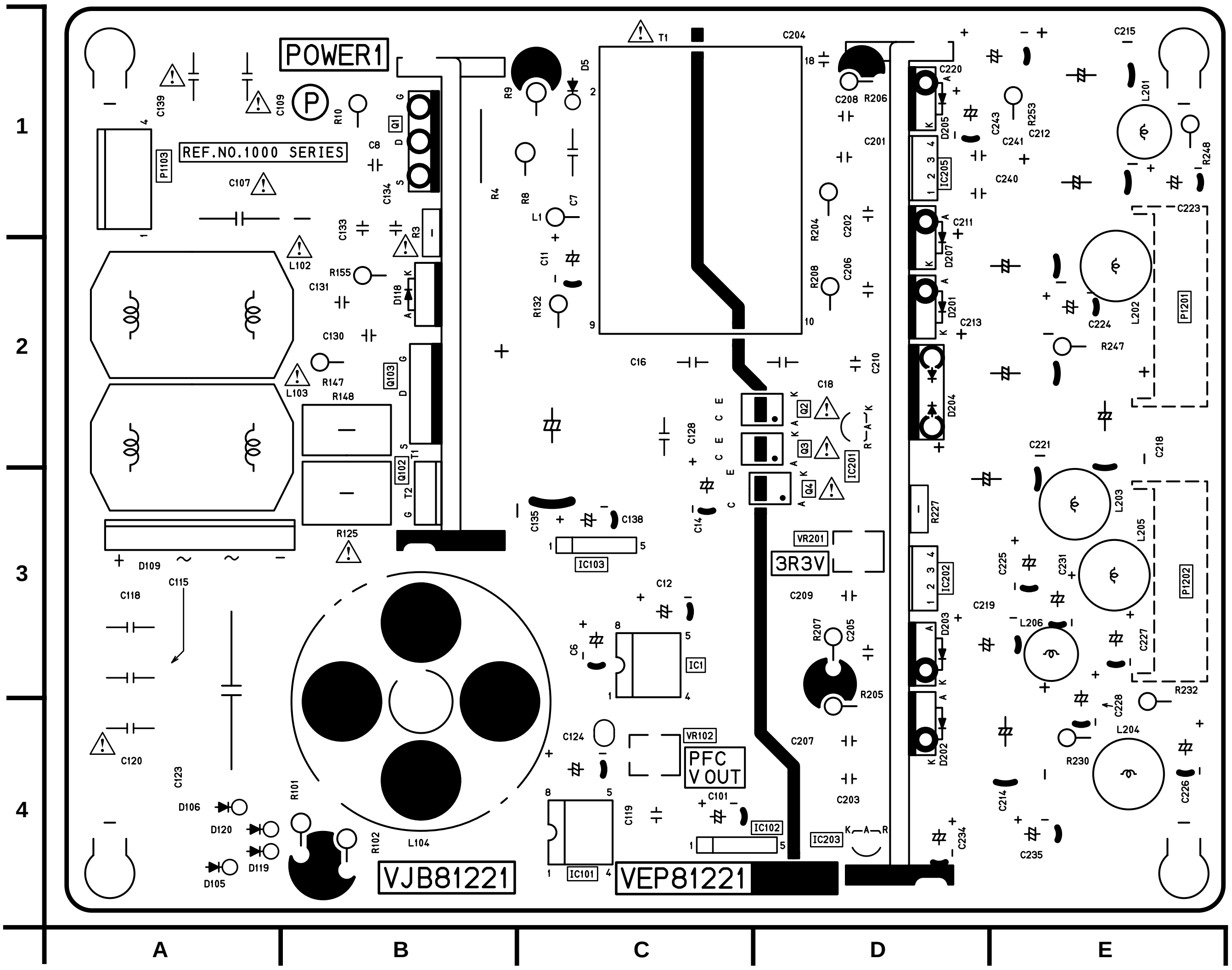
④ 一次側（充電部）の電圧・波形は、一次側アースを基準に測定してください。

⑤ 部品品番は、部品価格表で確認の上交換ください。

IMPORTANT SAFETY NOTICE:
COMPONENTS IDENTIFIED WITH THE MARK ⚠ HAVE THE SPECIAL CHARACTERISTICS FOR SAFETY.
WHEN REPLACING ANY OF THESE COMPONENTS. USE ONLY THE SAME TYPE.

CAUTION

THE ▭ MARK INDICATES THE PRIMARY CIRCUIT TO DISTINGUISH THE PRIMARY FROM THE SECONDARY CIRCUIT. PAY ATTENTION NOT TO RECEIVE AN ELECTRIC SHOCK DURING REPAIR AND SERVICE OF THE PRODUCTS.

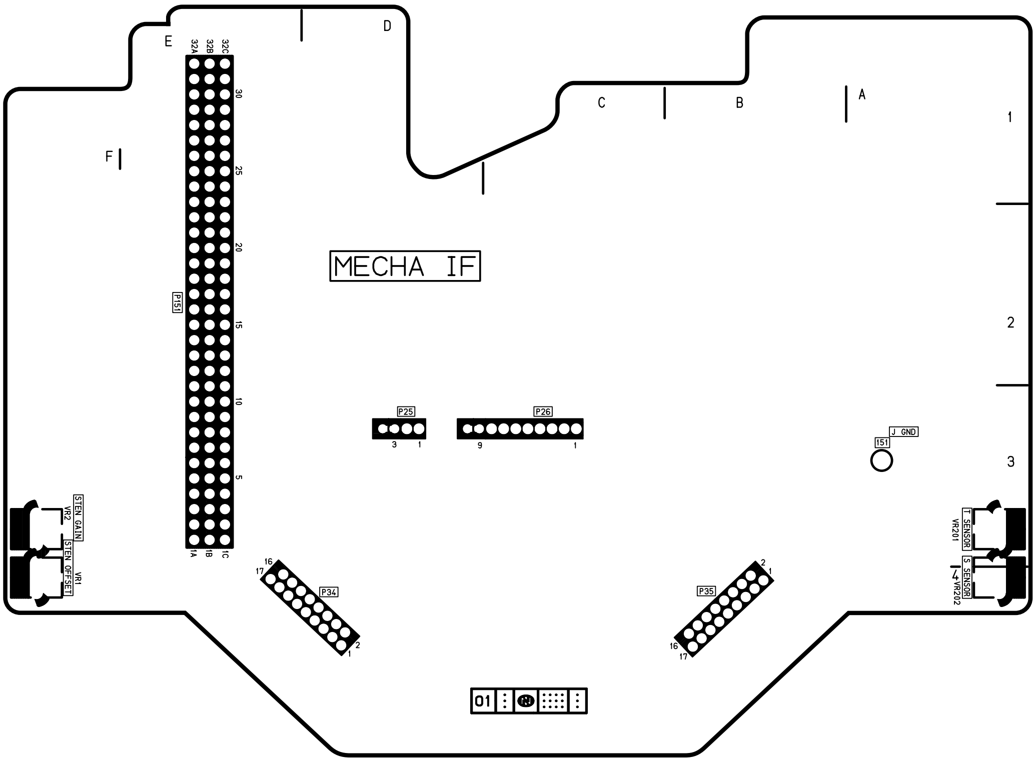

POWER1
REF.NO.1000 SERIES
P1103
C139
C109
C107
R10
Q1
C8
C134
C133
R3
L102
R155
C131
D118
C130
Q103
R147
L103
R148
Q102
T2
R125
D109
C115
C118
C120
C123
D106
D120
D119
D105
R101
R102
L104
VJB81221
R9
D5
R4
R8
L1
C7
C11
R132
C16
C135
C138
IC103
C12
C6
IC1
C124
VR102
PFC
V OUT
C119
C101
IC102
IC101
VEP81221
T1
C204
C208
R206
C201
R204
C202
R208
C206
C18
C210
C128
Q2
Q3
Q4
C14
IC201
VR201
3R3V
C209
R207
C205
R205
C207
C203
IC203
C220
D205
IC205
C211
D207
D201
C213
D204
R227
IC202
D203
D202
C234
C215
C243
R253
C241
C212
C240
L201
R248
C223
C224
L202
P1201
R247
C221
C218
L203
L205
C225
C231
P1202
C219
L206
C227
C228
R232
L204
R230
C214
C226
C235
1
2
3
4
A
B
C
D
E

(COMPONENT SIDE)

MECHA IF P.C.BOARD (VEP82239A)

FOIL SIDE

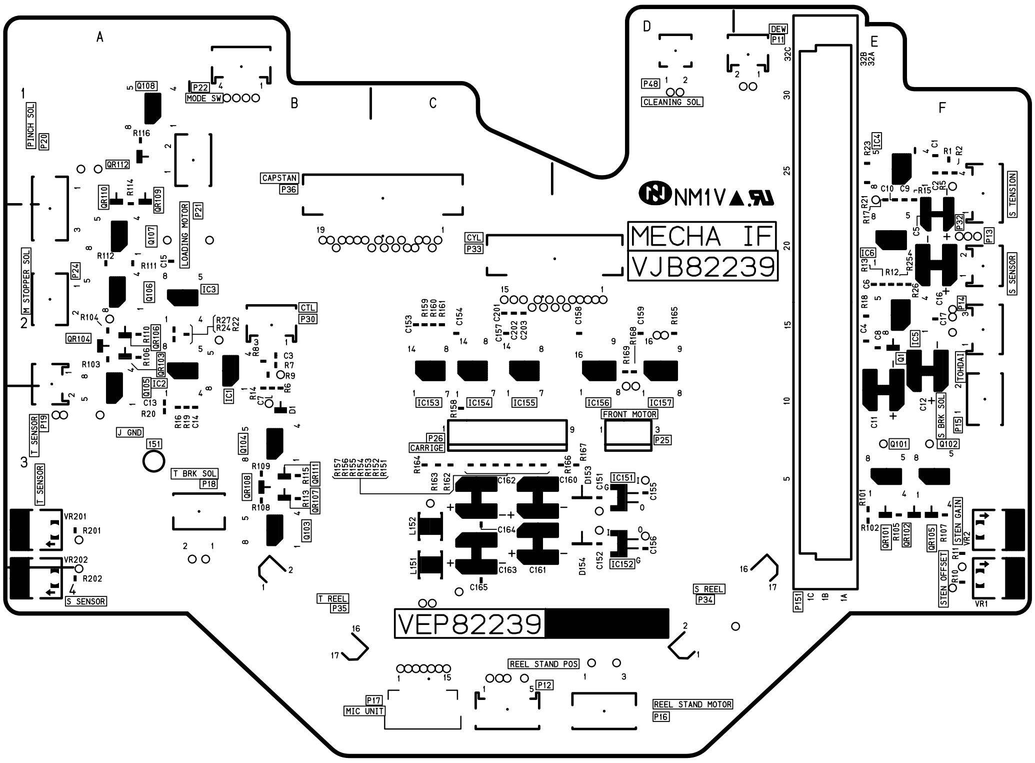
REF	LOC
P151	E2
P25	D3
P26	C3
P34	D4
P35	B4
VR1	F4
VR2	F3
VR201	A3
VR202	A4


A
B
C
D
E
F
1
2
3
MECHA IF
P151
P25
P26
P34
P35
J GND
I51
STEN GAIN
STEN OFFSET
VR1
VR2
T SENSOR
S SENSOR
VR201
VR202
01

(FOIL SIDE)

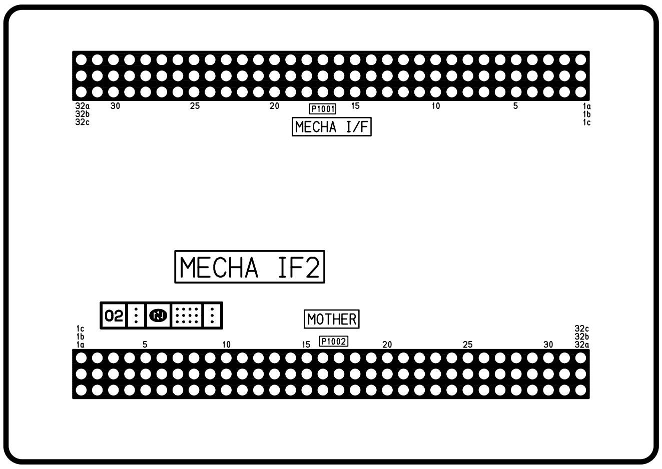
COMPONENT SIDE

REF	LOC	REF	LOC
IC1	B2	P33	C2
IC2	A2	P34	D4
IC3	A2	P35	B4
IC4	E1	P36	B1
IC5	A2	P48	D1
IC5	E2	P151	E4
IC6	E2	Q1	E2
IC151	D3	Q101	E3
IC152	D3	Q102	F3
IC153	C2	Q103	B3
IC154	C2	Q104	B3
IC155	C2	Q106	A2
IC156	D2	Q107	A2
IC157	D2	Q108	A1
P11	E1	QR101	E3
P12	C4	QR102	E3
P13	F2	QR103	A2
P14	F2	QR104	A2
P15	F3	QR105	F3
P16	D4	QR106	A2
P17	C4	QR107	B3
P18	B3	QR108	B3
P19	A2	QR109	A1
P20	A1	QR110	A1
P21	B1	QR111	B3
P22	B1	QR112	A1
P24	A2	VR1	F4
P25	D3	VR2	F3
P26	C3	VR201	A3
P30	B2	VR202	A3
P32	F1		


A
B
C
D
E
F
1
2
3
4
MECHA IF
VJB82239
VEP82239
NM1V
PINCH SOL
MODE SW
CAPSTAN
LOADING MOTOR
M STOPPER SOL
CTL
CYL
T SENSOR
S SENSOR
J GND
T BRK SOL
CARRIGE
FRONT MOTOR
CLEANING SOL
DEW
S TENSION
S SENSOR
TOHDAI
S BRK SOL
STEN GAIN
STEN OFFSET
T REEL
S REEL
REEL STAND POS
REEL STAND MOTOR
MIC UNIT

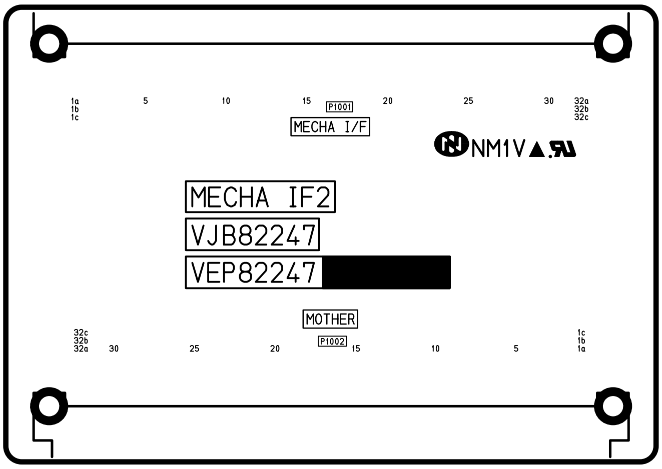
(COMPONENT SIDE)

MECHA IF2 P.C.BOARD (VEP82247A)



P1001
MECHA I/F
MECHA IF2
02
MOTHER
P1002
32a 32b 32c 30 25 20 15 10 5 1a 1b 1c
1c 1b 1a 5 10 15 20 25 30 32c 32b 32a

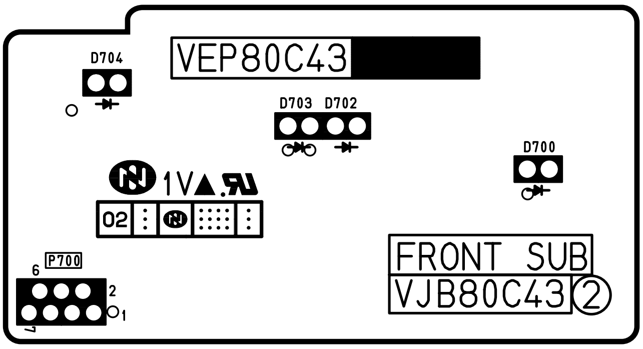
(FOIL SIDE)



1a 1b 1c 5 10 15 20 25 30 32a 32b 32c
P1001
MECHA I/F
NM1V
MECHA IF2
VJB82247
VEP82247
MOTHER
P1002
32c 32b 32a 30 25 20 15 10 5 1c 1b 1a

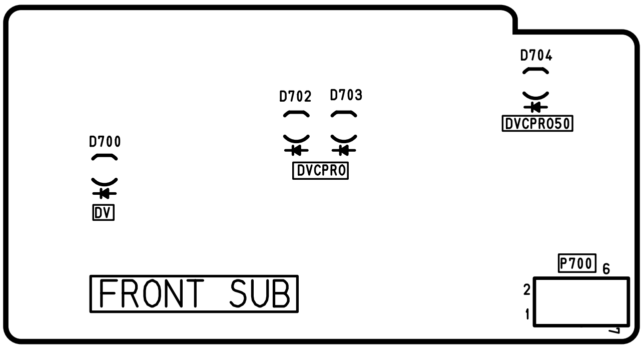
(COMPONENT SIDE)

FRONT SUB P.C.BOARD (VEP80C43A)



VEP80C43
D704
D703
D702
D700
1V
02
P700
6
2
1
7
FRONT SUB
VJB80C43②

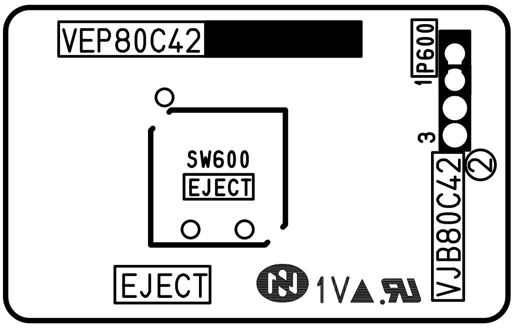
(FOIL SIDE)



D704
DVCPRO50
D702
D703
DVCPRO
D700
DV
FRONT SUB
P700
6
2
1
7

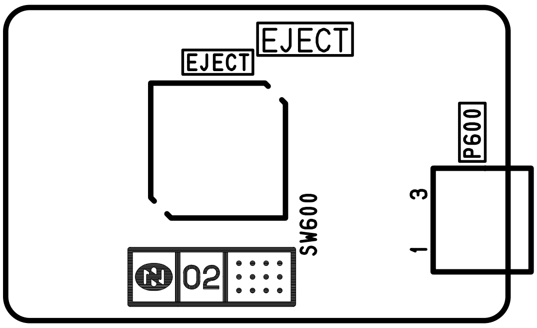
(COMPONENT SIDE)

EJECT P.C.BOARD (VEP80C42A)



VEP80C42
P600
1
3
SW600
EJECT
EJECT
1V
VJB80C42②

(FOIL SIDE)



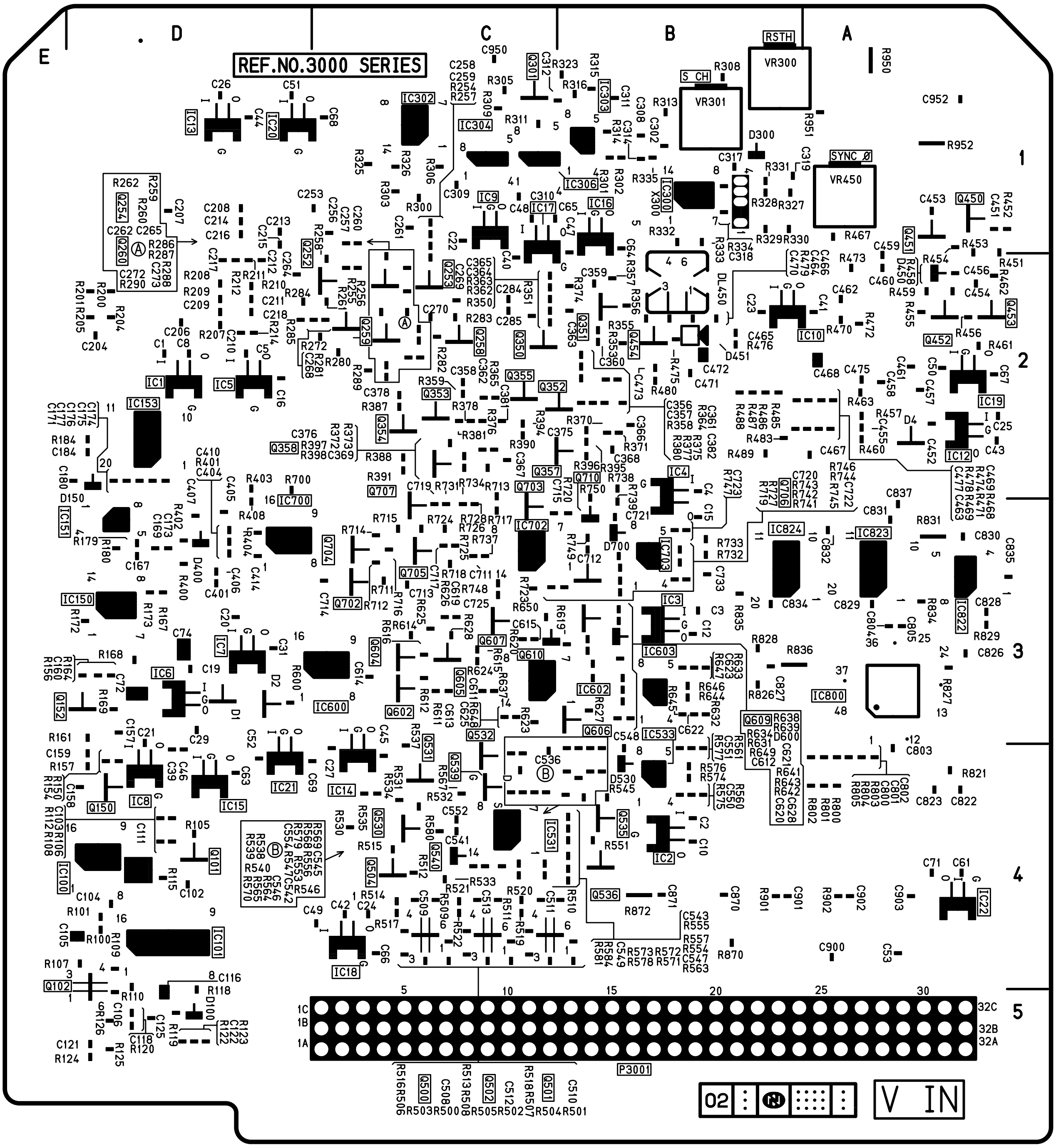
EJECT
EJECT
P600
3
1
SW600
02

(COMPONENT SIDE)

F2A: V_IN P.C.BOARD (VEP83594B/A)(AJ-YA931G, YA932G: OPTION)

FOIL SIDE

REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC
IC1	D2	IC15	D4	IC300	B1	IC800	A3	Q259	C2	Q452	A2	Q540	C4	Q707	C3
IC2	B4	IC16	B1	IC302	C1	IC822	A3	Q260	C2	Q453	A2	Q602	C3	Q710	B3
IC3	B3	IC17	C1	IC303	B1	IC823	A3	Q301	C1	Q454	B2	Q604	C3	VR300	B1
IC4	B2	IC18	C4	IC304	C1	IC824	B3	Q350	C2	Q500	C4	Q605	C3	VR301	B1
IC5	D2	IC19	A2	IC306	C1	P3001	B5	Q351	B2	Q501	C4	Q606	B3	VR450	A1
IC6	D3	IC20	D1	IC531	C4	Q101	D4	Q352	B2	Q502	C4	Q607	C3		
IC7	D3	IC21	D4	IC533	B4	Q102	D4	Q353	C2	Q504	C4	Q609	B3		
IC8	D4	IC22	A4	IC600	C3	Q150	D4	Q354	C2	Q530	C4	Q610	C3		
IC9	C1	IC100	D4	IC602	C3	Q152	D3	Q355	C2	Q531	C4	Q702	C3		
IC10	B2	IC101	D4	IC603	B3	Q252	C2	Q357	B2	Q532	C4	Q703	C3		
IC12	A2	IC150	D3	IC700	D3	Q253	C2	Q358	C2	Q535	B4	Q704	C3		
IC13	D1	IC151	D3	IC702	C3	Q254	C2	Q450	A1	Q536	B4	Q705	C3		
IC14	C4	IC153	D2	IC703	B3	Q258	C2	Q451	A1	Q539	C4	Q706	B3		

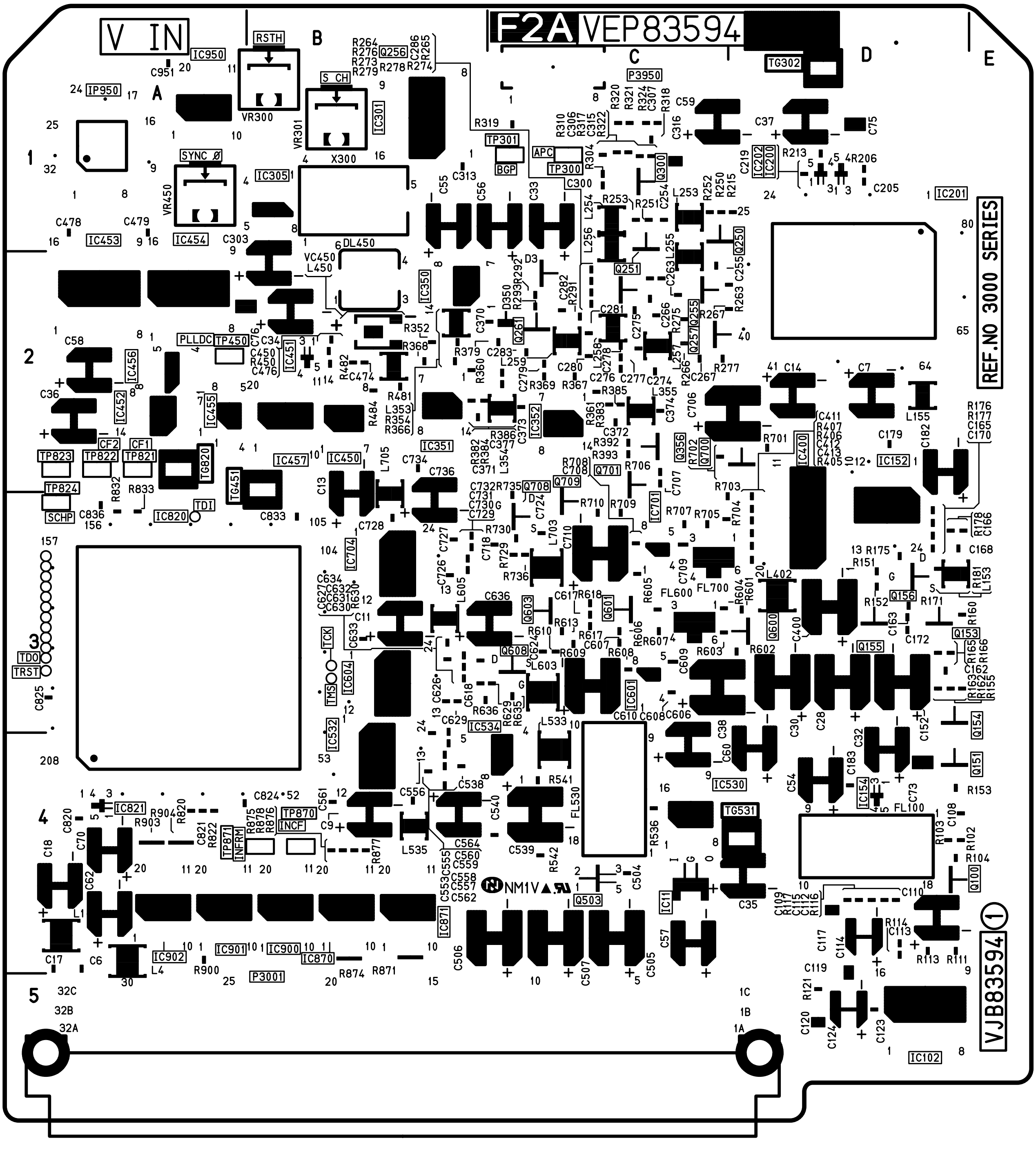

E
D
C
B
A
1
2
3
4
5
REF.NO.3000 SERIES
RSTH
VR300
VR301
S CH
SYNC Ø
VR450
D300
X300
DL450
IC1
IC2
IC3
IC4
IC5
IC6
IC7
IC8
IC9
IC10
IC12
IC13
IC14
IC15
IC16
IC17
IC18
IC19
IC20
IC21
IC22
IC100
IC101
IC150
IC151
IC153
IC300
IC302
IC303
IC304
IC306
IC531
IC533
IC600
IC602
IC603
IC700
IC702
IC703
IC800
IC822
IC823
IC824
Ⓐ
Ⓑ
1C
1B
1A
32C
32B
32A
5
10
15
20
25
30
P3001
02
V IN

(FOIL SIDE)

F2A: V_IN P.C.BOARD (VEP83594B/A)(AJ-YA931G, YA932G: OPTION)

COMPONENT SIDE

REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC
IC11	C4	IC450	B2	IC701	C3	Q100	D4	Q356	C2	TG820	A2	VR450	A1
IC102	D5	IC451	B2	IC704	B3	Q151	D4	Q503	C4	TP300	C1		
IC152	D3	IC452	A2	IC820	A3	Q153	D3	Q600	D3	TP301	C1		
IC154	D4	IC453	A2	IC821	A4	Q154	D3	Q601	C3	TP450	A2		
IC200	D1	IC454	A2	IC870	B4	Q155	D3	Q603	C3	TP821	A2		
IC201	D2	IC455	A2	IC871	B4	Q156	D3	Q608	C3	TP822	A2		
IC202	D1	IC456	A2	IC900	B4	Q250	C1	Q700	D2	TP823	A2		
IC301	B1	IC457	B2	IC901	A4	Q251	C1	Q701	C2	TP824	A3		
IC305	B1	IC530	C4	IC902	A4	Q255	C2	Q708	C3	TP870	B4		
IC350	B2	IC532	B4	IC950	A1	Q256	C2	Q709	C3	TP871	B4		
IC351	B2	IC534	C4	IP950	A1	Q257	C2	TG302	D1	VC450	B2		
IC352	C2	IC601	C3	P3001	B5	Q261	C2	TG451	B2	VR300	B1		
IC400	D3	IC604	B3	P3950	C1	Q300	C1	TG531	D4	VR301	B1		

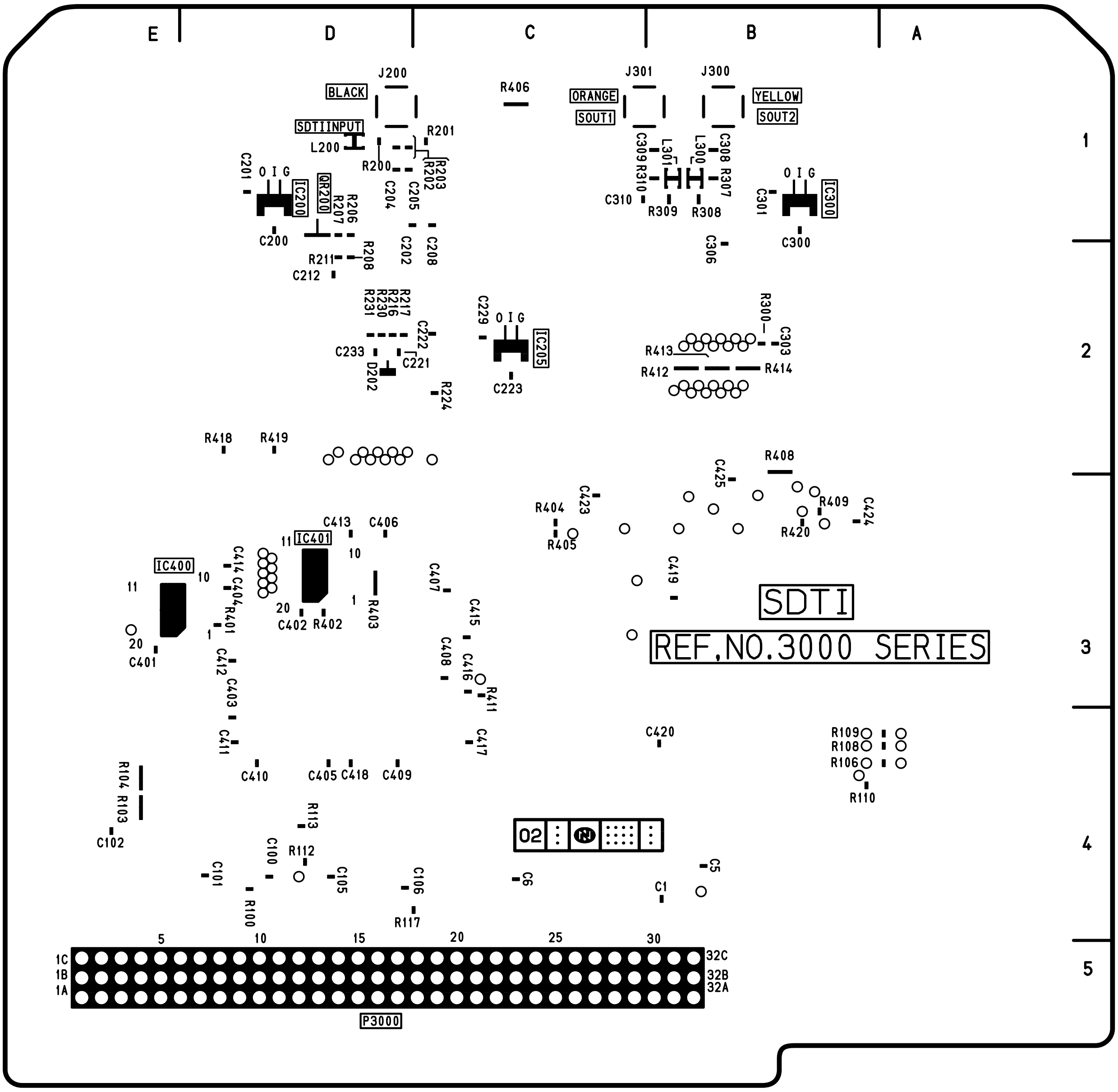


(COMPONENT SIDE)

F3B: SDTI P.C.BOARD (VEP83595A)(AJ-YAC930G: OPTION)

FOIL SIDE

REF	LOC
IC200	D1
IC205	C2
IC300	B1
IC400	E3
IC401	D3
P3000	D5
QR200	D1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J200
BLACK
SDTIINPUT
L200
R201
R200
R202
R203
C201
O I G
IC200
QR200
R206
R207
C204
C205
C200
R211
R208
C202
C208
C212
R406
J301
J300
ORANGE
SOUT1
YELLOW
SOUT2
C309
R310
L301
L300
C308
R307
C310
R309
R308
C301
IC300
C306
C300
R217
R216
R230
R231
C233
C222
C221
D202
R224
C229
IC205
C223
R300
C303
R413
R412
R414
R418
R419
R408
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C415
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C420
SDTI
REF.NO.3000 SERIES
R109
R108
R106
R110
R104
R103
C102
R113
C100
R112
C101
C105
C106
C6
R100
R117
02
C5
C1
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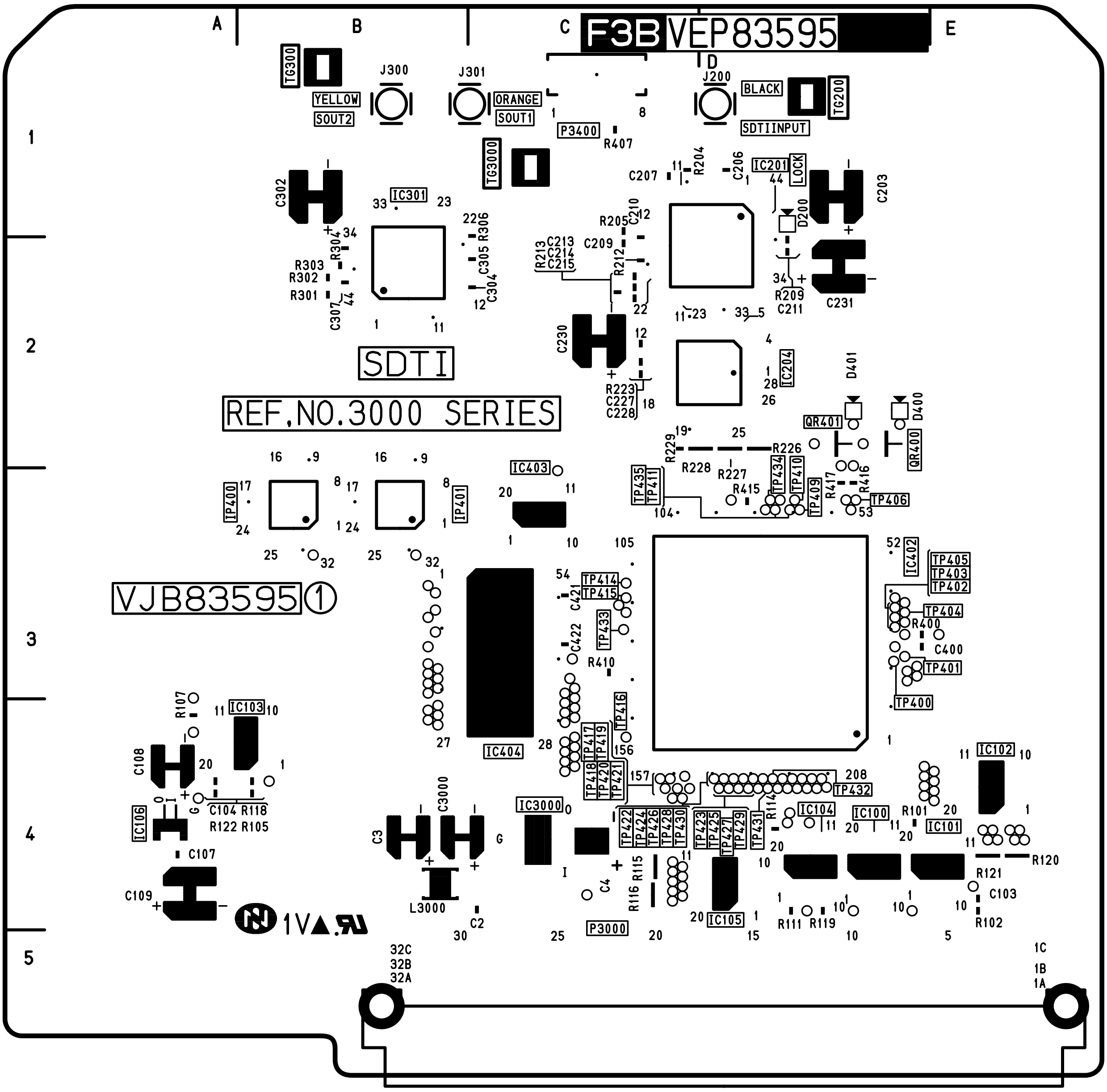
15
20
25
30
1C
1B
1A
32C
32B
32A
P3000

(FOIL SIDE)

F3B: SDTI P.C.BOARD (VEP83595A)(AJ-YAC930G: OPTION)

COMPONENT SIDE

REF	LOC	REF	LOC	REF	LOC	REF	LOC
IC100	D4	IP400	B3	TP405	D3	TP423	D4
IC101	E4	IP401	B3	TP406	D3	TP424	D4
IC102	E4	P3000	C5	TP409	D3	TP425	D4
IC103	B4	P3400	C1	TP410	D3	TP426	D4
IC104	D4	QR400	D2	TP411	D3	TP427	D4
IC105	D4	QR401	D2	TP414	C3	TP428	D4
IC106	A4	TG200	D1	TP415	C3	TP429	D4
IC201	D2	TG300	B1	TP416	C4	TP430	D4
IC204	D2	TG3000	C1	TP417	C4	TP431	D4
IC301	B2	TP400	D3	TP418	C4	TP432	D4
IC402	D3	TP401	D3	TP419	C4	TP433	C3
IC403	C3	TP402	D3	TP420	C4	TP434	D3
IC404	C3	TP403	D3	TP421	C4	TP435	D3
IC3000	C4	TP404	D3	TP422	D4		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F3B VEP83595
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TG300
J300
J301
YELLOW
SOUT2
ORANGE
SOUT1
P3400
R407
J200
BLACK
SDTIINPUT
TG200
TG3000
C302
IC301
R304
R303
R302
R301
C307
R306
C305
C304
SDTI
REF.NO.3000 SERIES
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R204
C206
IC201
LOCK
D200
C203
R205
C210
C212
R213
C213
C214
C215
C209
R212
R209
C211
C231
C230
R223
C227
C228
IC204
D401
D400
QR401
QR400
R229
R228
R227
R226
R415
R417
R416
TP435
TP411
TP434
TP410
TP409
TP406
IC403
TP400
TP401
VJB83595①
TP414
TP415
C421
C422
TP433
R410
TP416
IC404
TP417
TP419
TP418
TP420
TP421
IC402
TP405
TP403
TP402
TP404
R400
C400
TP401
TP400
TP432
IC103
R107
C108
IC106
C104
R118
R122
R105
C107
C109
C3000
C3
L3000
C2
IC3000
C4
R115
R116
TP422
TP424
TP426
TP428
TP430
TP423
TP425
TP427
TP429
TP431
R114
IC104
IC100
R101
IC101
IC102
R120
R121
C103
R102
IC105
R111
R119
P3000
1V
32C
32B
32A
1C
1B
1A

(COMPONENT SIDE)

SECTION 8

EXPLODED VIEWS
&
REPLACEMENT PARTS LIST

Note:

1. *Be sure to make your orders of replacement parts according to this list.
2. Unless otherwise specified, all resistors are in OHMS, K=1,000 OHMS, all capacitors are in MICROFARADS (μF), P=μμF.
3. The P.C. Board unit marked with "■" shown below the main assembled parts.
4. The parts marked with Ⓔ on the exploded view show the electric parts.
5. IMPORTANT SAFETY NOTICE
   Components identified with the mark ⚠ have the special characteristics for safety. When replacing any of these components, use only the same type.
6. The marking (RTL) indicates the retention time is limited for this item.
   After the discontinuation of this assembly in production, it will no longer be available.
7. "(M)" in Remark column indicates needed in the periodical maintenance.

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AJ-SD930P				AJ-SD955AP			
Ref. No.	**Parts No.**	**P.C.Board**	**Page**	**Ref. No.**	**Parts No.**	**P.C.Board**	**Page**
E1	VEP84383A	F1 AUDIO	PRT-22	E1	VEP84383A	F1 AUDIO	PRT-60
E2	VEP84384A	F2B A PROC	PRT-27	E2	VEP84384A	F2B A PROC	PRT-65
E3	VEP83605A	F3A SDI	PRT-28	E3	VEP83605A	F3A SDI	PRT-66
E4	VEP83596B	F4 REC PB	PRT-29	E4	VEP83596C	F4 REC PB	PRT-67
E5	VEP83597B	F5 V OUT	PRT-33	E5	VEP83597C	F5 V OUT	PRT-71
E6	VEP86326B	F6 SYSCON	PRT-36	E6	VEP86326C	F6 SYSCON	PRT-74
E7	VEP82246B	F7 SERVO	PRT-39	E7	VEP82246C	F7 SERVO	PRT-77
E8	VEP85207A	F8 RF EQ	PRT-43	E8	VEP85207A	F8 RF EQ	PRT-81
E9	VEP85208A	RF CUE	PRT-50	E9	VEP85208A	RF CUE	PRT-88
E10	VEP80C41A	MOTHER	PRT-53	E10	VEP80C41A	MOTHER	PRT-91
E11	VEP82239A	MECHA IF	PRT-54	E11	VEP82239A	MECHA IF	PRT-92
E12	VEP82247A	MECHA IF 2	PRT-54	E12	VEP82247A	MECHA IF 2	PRT-92
E13	VEP81221C	POWER 1	PRT-54	E13	VEP81221C	POWER 1	PRT-92
E14	VEP81222A	POWER 2	PRT-56	E14	VEP81222A	POWER 2	PRT-94
E15	VEP80C40A	AV JACK	PRT-56	E15	VEP80C40A	AV JACK	PRT-94
E16	VEP86327A	FRONT	PRT-57	E16	VEP86327B	FRONT	PRT-95
E17	VEP80C43A	FRONT SUB	PRT-59	E17	VEP80C43A	FRONT SUB	PRT-97
E18	VEP80C42A	EJECT	PRT-59	E18	VEP80C42A	EJECT	PRT-97
E19	VEP80856A	CARRIGE	PRT-59	E19	VEP80856A	CARRIGE	PRT-97

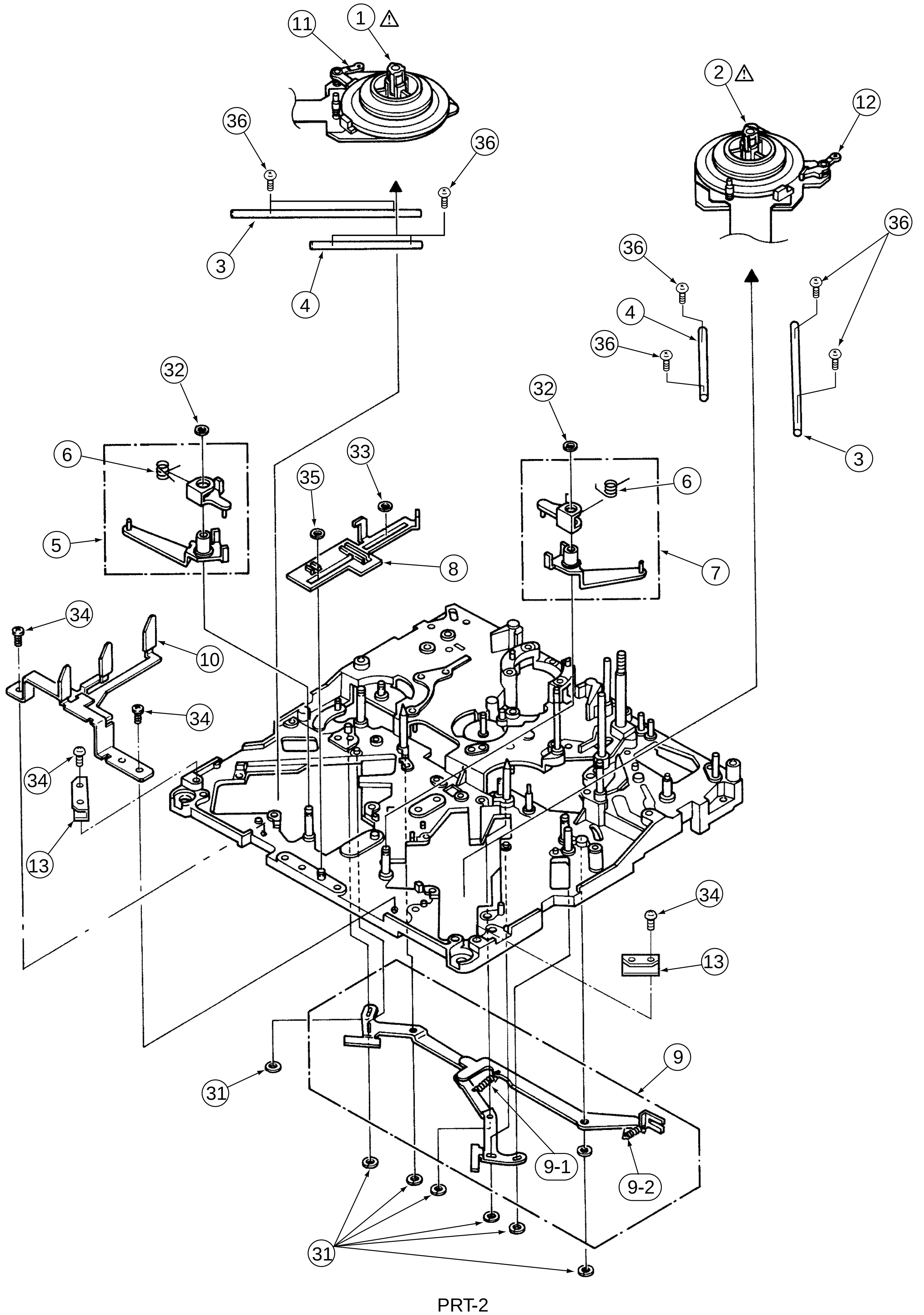
SERVICING FIXTURES & TOOLS

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
1	VFK1145A	BACK TENSION METER	1	
2	VFK1149A	POST DRIVER	1	
3	VFK71A	DIAL TORQUE GAUGE	1	
4	VFK1191A	DIAL TORQUE GAUGE	1	
5	VFK1152	GORQUE GAUGE ADAPTOR	1	
6	VFK0357	ECCENTRIC SCREWDRIVER	1	(1.5MM)
7	VFK1154	POST HIGHT TOOL	1	
8	VFK1153	MECH NEWTRAL PLATE	1	
9	VFK1155	NEWTRAL POSITION TOOL	1	(SILVER)
10	VFK1156	NEWTRAL POSITION TOOL	1	(BLACK)
11	VFK1208	NEWTRAL POSITION TOOL	1	(BLACK WITH HOLE)
12	VFK1150A	NUT DRIVER (5.2MM)	1	
13	VFK1151	NUT DRIVER (2.5MM)	1	
14	VFK1188A	DIAL TENSION GAUGE	1	
15	VFK0948A	CHECK LIGHT	1	
16	VFK0749	FROIRAL GREASE	1	(FOR PLASTIC PART)
17	M0R265	MORLYTONE GREASE	1	(FOR METAL PART)
18	VFK1146A	PHILIPS DRIVER	1	
19	VFK1147A	SCREW DRIVER	1	
20	VFK1148A	HEX DRIVER (1.5MM)	1	
21	VFK1178	HEX DRIVER (0.89MM)	1	
22	VFK1179	HEX DRIVER (0.71MM)	1	
23	VFK1190	HEX WRENCH (1.5MM)	1	
24	VFK1209A	TORQUE DRIVER	1	
25	VFK1375	POST AXIS DRIVER	1	
26	VFK1300	A/D BOARD (DAQ-12,QUATECH)	1	
27	VFM3580KM	ALIGNMENT TAPE (NO.1)	1	FOR NTSC (NO.1)
27	VFM3580KL	ALIGNMENT TAPE (NO.1)	1	FOR NTSC (NO.1)
27	VFM3680KM	ALIGNMENT TAPE (NO.1)	1	FOR NTSC (NO.1)
27	VFM3680KL	ALIGNMENT TAPE (NO.1)	1	FOR NTSC (NO.1)
28	VFM3581KM	ALIGNMENT TAPE (NO.2)	1	FOR NTSC (NO.2)
28	VFM3581KL	ALIGNMENT TAPE (NO.2)	1	FOR NTSC (NO.2)
29	VFM3582KM	ALIGNMENT TAPE (NO.3)	1	FOR NTSC (NO.3)
29	VFM3582KL	ALIGNMENT TAPE (NO.3)	1	FOR NTSC (NO.3)
30	VFM3380KM	DVCPRO 50 ALIGNMENT TAPE	1	(COLOR BAR)
31	VFM3010EDS	DV ALIGNMENT TAPE (COLOR BAR	1	FOR NTSC (COLOR BAR)
32	VFM3000EDS	DV ALIGNMENT TAPE (LISTA)	1	(LISTA)
33	AJ-CL12MP	CLIEANING TAPE	1	
34	VFK1423	TAPE BEG/END DET CASSETTE	1	(M)
35	VFK1192	F EXTENSION BOARD	1	
36	VFK1496	EXTENDER BOARD	1	
37	VFK1481E	LISTA SOFTWARE	1	
38	VFK1186	LISTA CABLE	1	
39	VFK1248L	FLASH ROM VERSION UP SOFT	1	
40	VFK1590	C PLD WRITER	1	
41	VFK1304A	FLASH ROM VERSION UP TOOL	1	
42	VFK0906	OIL	1	
43	VZZ0095	CLEANING CLOTH	1	
44	VFK1806	RF ADJUSTMENT SOFTWARE	1	
45	VFK1803	EXTENSION CABLE	1	FOR FRONT PANEL
46	-----	EE CLEANER	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks

MECHANICAL CHASSIS ASSEMBLY (1)

Components identified with the mark ⚠ have the special characteristics for safety.
When replacing any of these components, use only the same type.



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MECHANICAL CHASSIS ASSEMBLY (1)

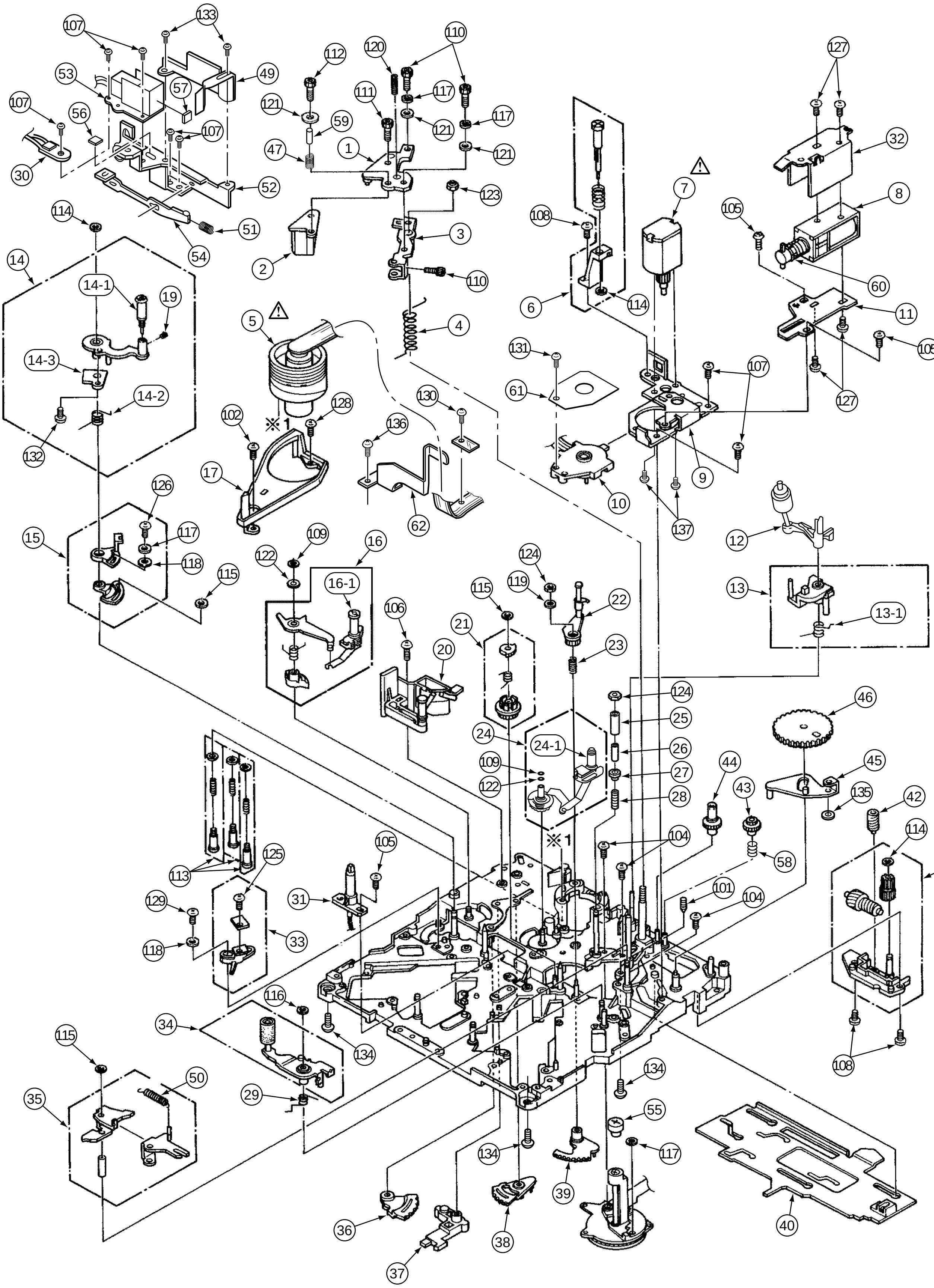
Components identified with the mark ⚠ have the special characterisitics for safety.
When replacing any of these components, use onlly the same type.

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
⚠ 1	VEM0686	S REEL MOTOR A ASS'Y	1	(M)
⚠ 2	VEM0687	T REEL MOTOR A ASS'Y	1	(M)
3	VMS5923	REEL OUTER RAIL	2	
4	VMS5924	REEL INNER RAIL	2	
5	VXL2589	S BASE DRIVE ARM ASS'Y	1	OR VXL2589C
6	VMB2944	CHARGE SPRING	2	
7	VXL2590	T BASE DRIVE ARM ASS'Y	1	OR VXL2590C
8	VXA5625	SLIDE ROD ASS'Y	1	OR VXA5625C
9	VXL2597	M STOPPER DRIVE ARM ASS'Y	1	OR VXL2597C
9-1	VMB2955	M STOPPER SPRING (1)	1	
9-2	VMB3017	M STOPPER SPRING (2)	1	
10	VXA6174	L-M BRAKE RELEASE ASS'Y	1	OR VXA6174C
11	VXZ0439	S BRAKE ARM ASS'Y	1	
12	VXZ0440	T BRAKE ARM ASS'Y	1	
13	VMZ2603	REEL FLEX COVER	2	
31	VMX1061	WASHER	7	
32	VMX1079	CUT WASHER	2	
33	VMX0967	CUT WASHER	1	
34	XQN2+CF3	SCREW	4	
35	VMX0967	CUT WASHER	1	
36	VHD0995	SCREW	8	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks

MECHANICAL CHASSIS ASSEMBLY (2)

Components identified with the mark ⚠ have the special characteristics for safety.
When replacing any of these components, use only the same type.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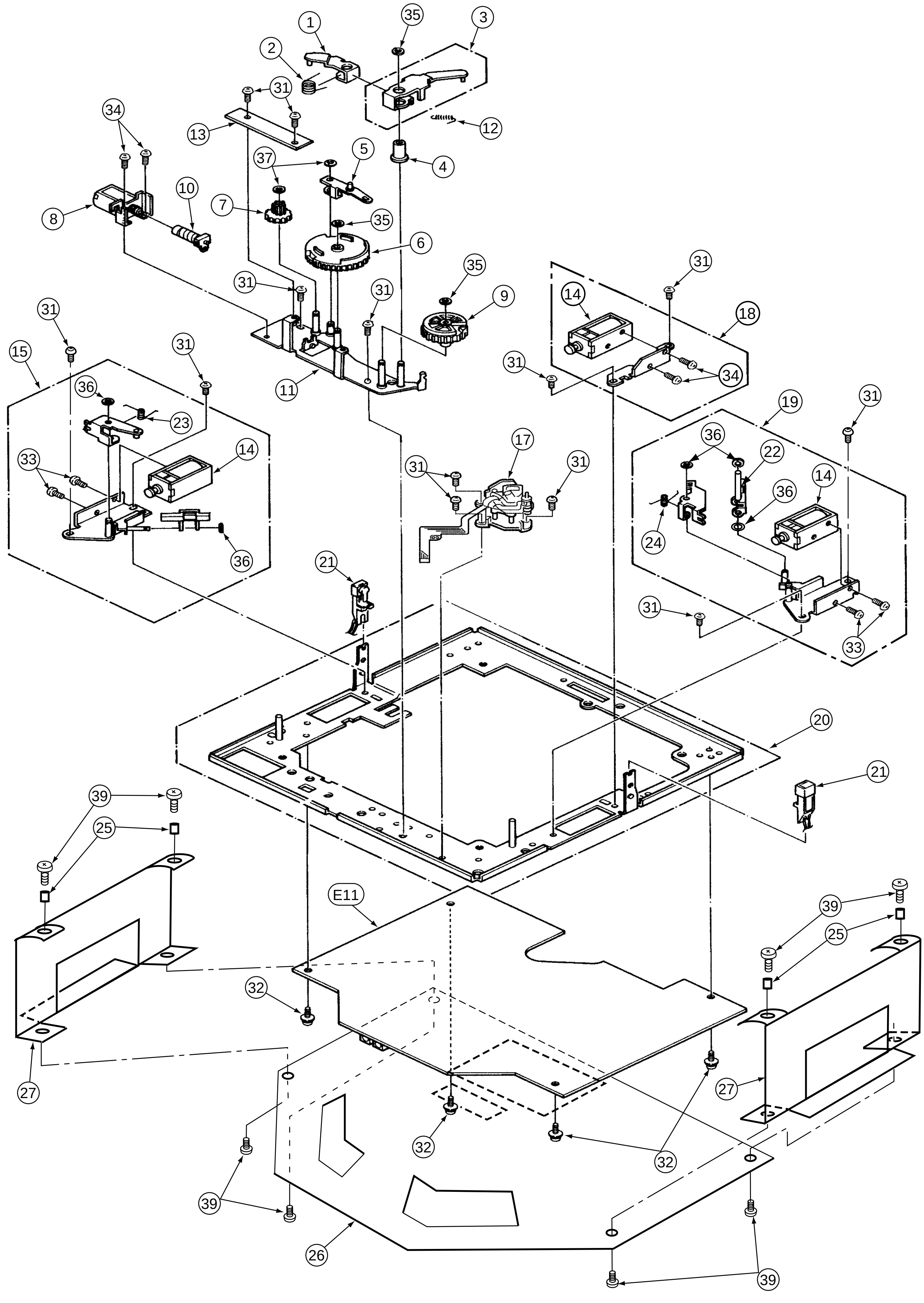
MECHANICAL CHASSIS ASSEMBLY (2)

Components identified with the mark ⚠ have the special characterisitics for safety.
When replacing any of these components, use onlly the same type.

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
1	VXA5554	A/C HEAD BASE (1) ASS'Y	1	
2	VED0419	A/C HEAD	1	(M)
3	VXA6067	A/C HEAD BASE (2) ASS'Y	1	
4	VMB2935	A/C HEAD HIGHT SPRING	1	
⚠ 5	VEG1501	SYLINDER UNIT	1	(M)
6	VXA5715C	EMERGENCY SHAFT HOLDER AS	1	
⚠ 7	VEM0645C	LOADING MOTOR (1) ASS'Y	1	(M)
8	VSJ0227	PINCH SOLENOID	1	(M)
9	VXA5584C	MOTOR ANGLE ASS'Y	1	
10	VES0918C	MODE SW ASS'Y	1	(M)
11	VMA0A35	PINCH SOLENOID BASE	1	
12	VXL3027C	CLEANING ARM ASS'Y	1	(M)
13	VXL2870C	T2 ARM ASS'Y	1	
13-1	VMB3304	T2 ARM SPRING	1	
14	VXL2832	TENSION ARM A ASS'Y	1	(M)
14-1	VXP1866	TENSION ROLLER	1	
14-2	VMB3220	TENSION LEG SPRING	1	
14-3	VXA6173	MAGNET HOLDER ASS'Y	1	
15	VXA5791C	TENSION REG. SPRING HOOK	1	
16	VXL2812	S1 LOADING ARM ASS'Y	1	(M)
16-1	VXA6087	S1 BOAT ASS'Y	1	
17	VMD3731	LOADING RAIL	1	
19	VHD0561	HEX SCREW	1	
20	VXA7361	S5 POST BASE A ASS'Y	1	(M)
21	VXP1683C	T4 CONNECTION GEAR ASS'Y	1	
22	VXL2772	T4 ARM ASS'Y	1	
23	VMB2950	T4 THRUST SPRING	1	
24	VXL2953	T LOADING ARM ASS'Y	1	
24-1	VXA6379	T1 BOAT ASS'Y	1	(M)
25	VMS5906	T3 UPPER FRANGE	1	
26	VMS5905	T3 SLEEVE	1	
27	VMS5904	T3 LOWER FRANGE	1	
28	VMB2929	T3 SPRING	1	
29	VMB2933	PINCH RELEASE SPRING	1	
30	VEK7927	INSULLATION SENSOR	1	EYHS77Y7
31	VEK8970	LED HOLDER P.C.BOARD	1	OR VEK8970C
32	VMA9411	PINCH SOLENOID ANGLE	1	
33	VXA5820C	TENSION SENSOR ASS'Y	1	
34	VXL2835C	PINCH ARM ASS'Y	1	(M)
35	VXL2588C	PINCH GUIDE ARM ASS'Y	1	
36	VXA5570C	T SECTOR GEAR ASS'Y	1	
37	VXL2838	TENSION REG. GUIDE ARM	1	OR VXL2838C
38	VXA5567C	S SECTOR GEAR ASS'Y	1	
39	VXA5564C	T4 SECTOR GEAR ASS'Y	1	
40	VXA6348	MAIN ROD ASS'Y	1	
41	VXA5627C	THRUST SHAFT HOLDER ASS'Y	1	
42	VDG1166	MOTOR WARM GEAR	1	
43	VDG1444	MOTOR EMARGENCY GEAR B	1	
44	VDG1443	EMERGENCY GEAR A	1	
45	VXL2889C	MAIN CAM ARM ASS'Y	1	
46	VDG1168	MAIN CAM GEAR	1	(M)
47	VMB2937	A/C HEAD ADJUST SPRING	1	
49	VMD3475	T1 GUIDE ASS'Y	1	
50	VMB2934	SPRING	1	
51	VMB3051	CLEANER RETURN SPRING	1	
52	VXA6077	CLEANER BASE 1 ASS'Y	1	OR VXA6077C
53	VXA7382C	CLEANER SOLENOID ASS'Y	1	
54	VMM0429	CLEANER INTERLOCK	1	
55	VXQ0556	THRUST SCREW ASS'Y	1	(M)
56	VMT0871	SILENCER A	1	
57	VMT0872	SILENCER B	1	
58	VMB3192	SPRING	1	
59	VMS5987	AZIMUTH SLEEVE	1	
60	VMB2948	SPRING	1	
61	VMZ2737	MODE SW COVER	1	
62	VMA0A41	RT FLEX GUIDE	1	
101	VHD0356	SCREW	1	
102	XQN2+A3	SCREW	1	
104	XQN2+A35FZ	SCREW	3	
105	XQN2+AM2	SCREW	3	
106	XQN2+CF5	SCREW	1	
107	XQN2+CF3	SCREW	7	
108	XQN2+CF4	SCREW	3	
109	XUC12FP	E-RING	2	
110	XVE2B4FZ	HEX SCREW	3	
111	XVE2B6FP	HEX SCREW	1	
112	XVE2B12FP	HEX SCREW	1	
113	VXQ0439	SCREW	3	
114	VMX0967	CUT WASHER	3	
115	VMX1061	WASHER	3	
116	VMX1079	CUT WASHER	1	
117	XWA2B	WASHER	4	
118	XWE2	WASHER	2	
119	XWE16VW	WASHER	1	
120	XXE2A6FP	HEX SCREW	1	
121	XWG2	WASHER	3	
122	XWGV15Z32G	WASHER	2	
123	VHD0045	NYLON NUT	1	
124	VHN0312	NUT	2	
125	XQN2+AQ3.5FZ	SCREW	1	
126	XQN2+BQ55FZ	SCREW	1	
127	XQN2+A1.5	SCREW	4	
128	XQN2+A5	SCREW	1	
129	XQN2+C4	SCREW	1	
130	XYN2+K4	SCREW	1	
131	XYN2+J6	SCREW	1	
132	XQN2+CM3	SCREW	1	
133	XQN2+J5	SCREW	2	
134	XYN3+C5	SCREW	3	
135	XWGV2Z4G	WASHER	1	
136	XTV3+6F	SCREW	1	
137	XQN2+A2	SCREW	2	
*	VXY1731Z1	MECHA CHASSIS ASS'Y	1	(M)

SUB CHASSIS ASSEMBLY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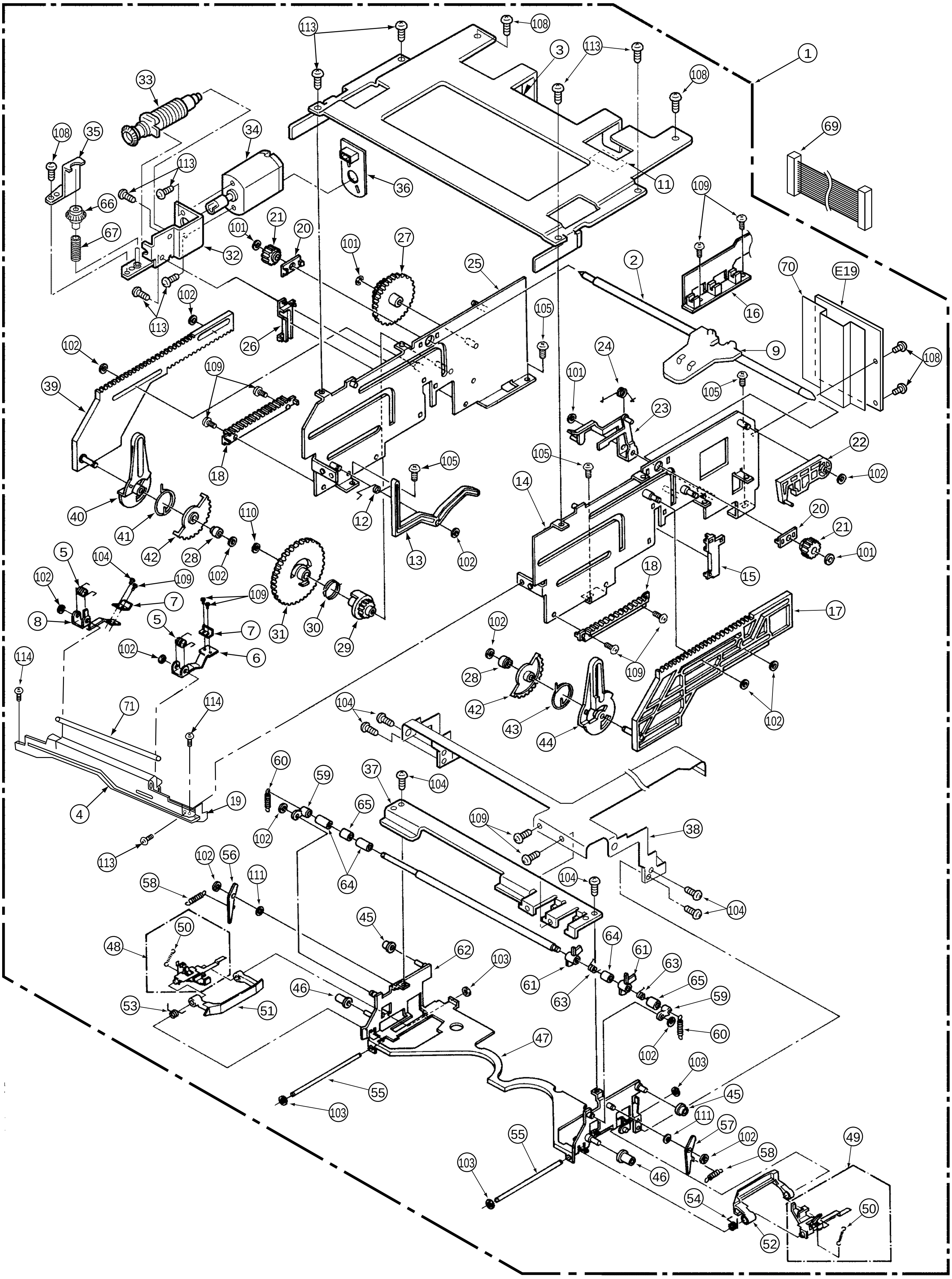
SUB CHASSIS ASSEMBLY

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
1	VXL2656	MIC DRIVE ARM A ASS'Y	1	OR VXL2656C
2	VMB3018	MIC DRIVE SPRING	1	
3	VXL2657	MIC DRIVE ARM (B) ASS'Y	1	OR VXL2657C
4	VDB1429	MIC DRIVE ARM BOSS	1	
5	VXL2613	REEL DRIVE ARM ASS'Y	1	OR VXL2613C
6	VDG1192	REEL DRIVE CAM GEAR	1	
7	VDG1193	REEL DRIVE WORM WHEEL	1	
8	VEM0585	REEL DRIVE MOTOR ASS'Y	1	(M)
9	VDG1211	MIC GENEVA GEAR	1	
10	VXP1698	REEL DRIVE WORM ASS'Y	1	OR VXP1698C
11	VXA5628	MOTOR BASE ASS'Y	1	OR VXA5628C
12	VMB3019	MIC DRIVE RETURN SPRING	1	
13	VEK7726	REEL SENSOR P.C.BOARD	1	OR VEK7726C
14	VSJ0216	SOLENOID	3	(M)
15	VXA5575	S-BRAKE SOLENOID BASE ASS'Y	1	OR VXA5575C
17	VXA7014C	MIC SENSOR SW BASE ASS'Y	1	(M)
18	VXA5579C	M STOPPER SOLENOID ASS'Y	1	
19	VXA5887	T-BRAKE SOLENOID BASE ASS'Y	1	OR VXA5887C
20	VXK1336	SUB CHASSIS ASS'Y	1	OR VXK1336C
21	VEK7692	SENSOR HOLDER ASS'Y	2	OR VEK7692C
22	VMS6193	T BRAKE RELEASE ARM SHAFT	1	
23	VMB2957	S BRAKE SPRING	1	
24	VMB2987	T BRAKE SPRING	1	
25	VMX3081	SPACER	4	
26	VMP6831	P.C.B. SUPPORT ANGLE	1	
27	VMA0J69	P.C.B. HOLDER ANGLE	2	
31	XQN2+CF3	SCREW	13	
32	XYN26+K6	SCREW	4	
33	XQN2+A1.5	SCREW	4	
34	XQN2+A2	SCREW	4	
35	VMX1079	CUT WASHER	3	
36	VMX0967	CUT WASHER	5	
37	VMX1548	CUT WASHER	2	
39	XYN26+F8	SCREW	8	
E11	VEP82239A	MECHA I/F P.C.BOARD	1	

CASSETTE COMPARTMENT ASSEMBLY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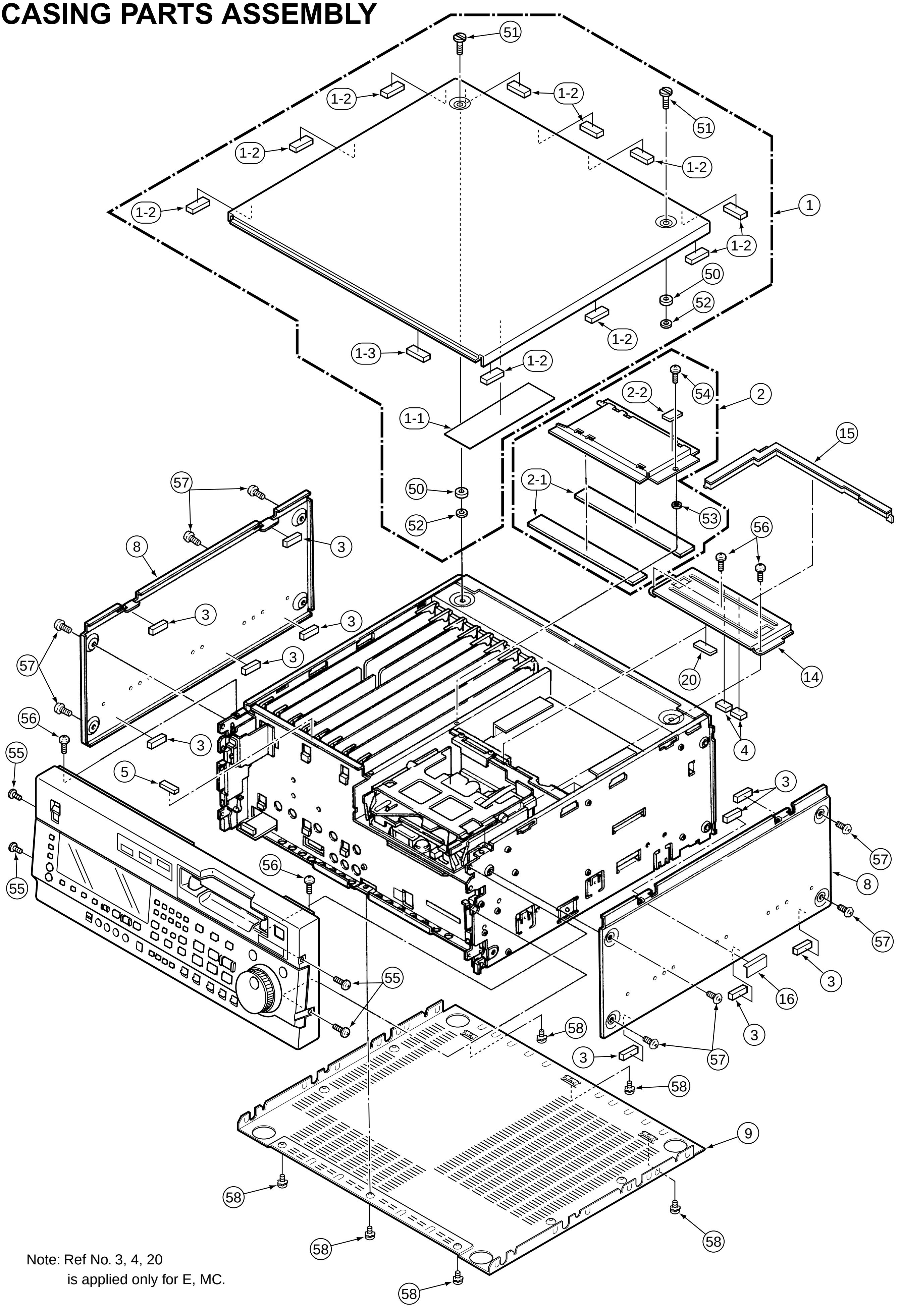
CASSETTE COMPARTMENT ASSEMBLY

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
1	VXA7347	FRONT LOADING ASS'Y	1	(M)
2	VMS5865	MAIN SHAFT	1	
3	VMA9849	TOP PLATE	1	
4	VMA0M72	FRONT GUIDE 1 ASS'Y	1	
5	VMB3075	M GUIDE SPRING	2	
6	VML3191	M GUIDE RIGHT LEVER	1	
7	VML3192	M FRONT GUIDE	2	
8	VML3190	M GUIDE LEFT LEVER	1	
9	VML3397	CASSETTE PROTECT PLATE	1	
11	VMZ3233	FPC PROTECTOR	1	
12	VMB2926	SPRING	1	
13	VML2A50	BLINDER PANEL OPENER	1	
14	VXA7355	R SIDE PLATE 1 ASS'Y	1	
15	VML3282	SUB RAIL (R)	1	
16	VEK7695	SIDE FLEXIBLE	1	
17	VXA5766	MAIN RACK R ASS'Y	1	
18	VDG1156	WIPER RACK	2	
19	VMZ3259	FPC COVER	1	
20	VDB1395	MAIN SHAFT ANGLE	2	
21	VDG1412	INTERLOCK GEAR	2	
22	VML3193	OPENER DRIVE ARM	1	
23	VXL2692	OPENER ANGLE ASS'Y	1	
24	VMB2979	SPRING	1	
25	VXA7353	SIDE PLATE L 1 ASS'Y	1	
26	VML3281	SUB RAIL (L)	1	
27	VDG1413	INTERAMEDIATE GEAR	1	
28	VDP1643	WIPER ROLLER	2	
29	VDG1414	CLUTCH GEAR	1	
30	VMB2980	CLUTCH SPRING	1	
31	VDG1236	WORM WHEEL	1	
32	VXA5848	MOTOR ANGLE (A) ASS'Y	1	
33	VXP1797	E.E SLOT IN WORM ASS'Y	1	
34	VXA5597	MOTOR ASS'Y	1	(M)
35	VMA9673	EMERGENCY ANGLE	1	
36	VEK7793	MOTOR P.C.BOARD	1	
37	VMA9668	HOLDER PLATE	1	
38	VEK7715	HOLDER FLEXIBLE ASS'Y	1	
39	VXA6075	MAIN RACK (L) ASS'Y	1	
40	VML3485	WIPER ARM (R)	1	
41	VMB3390	WIPER SPRING (L)	1	
42	VDG1163	WIPER GEAR	2	
43	VMB3391	WIPER ARM (L)	1	
44	VML3484	WIPER SPRING (R)	1	
45	VDP1642	CASSETTE GUIDE ROLLER (2)	2	
46	VDP1641	CASSETTE GUIDE ROLLER (1)	2	
47	VXA5757	CASSETTE HOLDER 1 ASS'Y	1	
48	VXA5758	ROD L	1	
49	VXA5759	ROD R	1	
50	VMB3064	SLIDE SPRING	2	
51	VML3249	SIDE GUIDE L	1	
52	VML3250	SIDE GUIDE R	1	
53	VMB3061	SLIDE GUIDE SPRING L	1	
54	VMB3062	SLIDE GUIDE SPRING R	1	
55	VMS6108	KICK OFF ROD SHAFT	2	
56	VML2A54	KICK OFF ARM L	1	
57	VML2A55	KICK OFF ARM R	1	
58	VMB2928	KICK OFF SPRING	2	
59	VML2A53	CASSETTE HOLDER ARM	2	
60	VMB2927	CASSETTE HOLDER SPRING	2	
61	VMX2833	M-L DETECT ROLLER	2	
62	VMS5882	CASSETTE HOLDER SHAFT	1	
63	VMB3253	M-L DETECT SPRING	2	
64	VMX2559	CASSETTE PRESSURE ROLLER(2)	3	
65	VMX2524	CASSETTE PRESSURE ROLLER(1)	2	
66	VDG1246	EMERGENCY GEAR	1	
67	VMB3109	EMERGENCY SPRING	1	
69	VEE9577	CABLE	1	
70	VMZ3040	SHIELD PLATE	1	
71	VMS7087	GUIDE LEVER PIN	1	
101	VMX0653	CUT WASHER	4	
102	VMX0967	CUT WASHER	14	
103	VMX1061	WASHER	4	
104	XQN16+A2	SCREW	7	
105	XQN2+C4	SCREW	4	
108	XQN2+A3	SCREW	5	
109	LMHD16064	SCREW	11	
110	XUC25FP	E-RING	1	
111	XWGV2Z5G	WASHER	2	
113	VHD1323	SCREW	9	
114	XYN2+K4	SCREW	2	
E19	VEP80856A	CARRIGE P.C.BOARD	1	

CASING PARTS ASSEMBLY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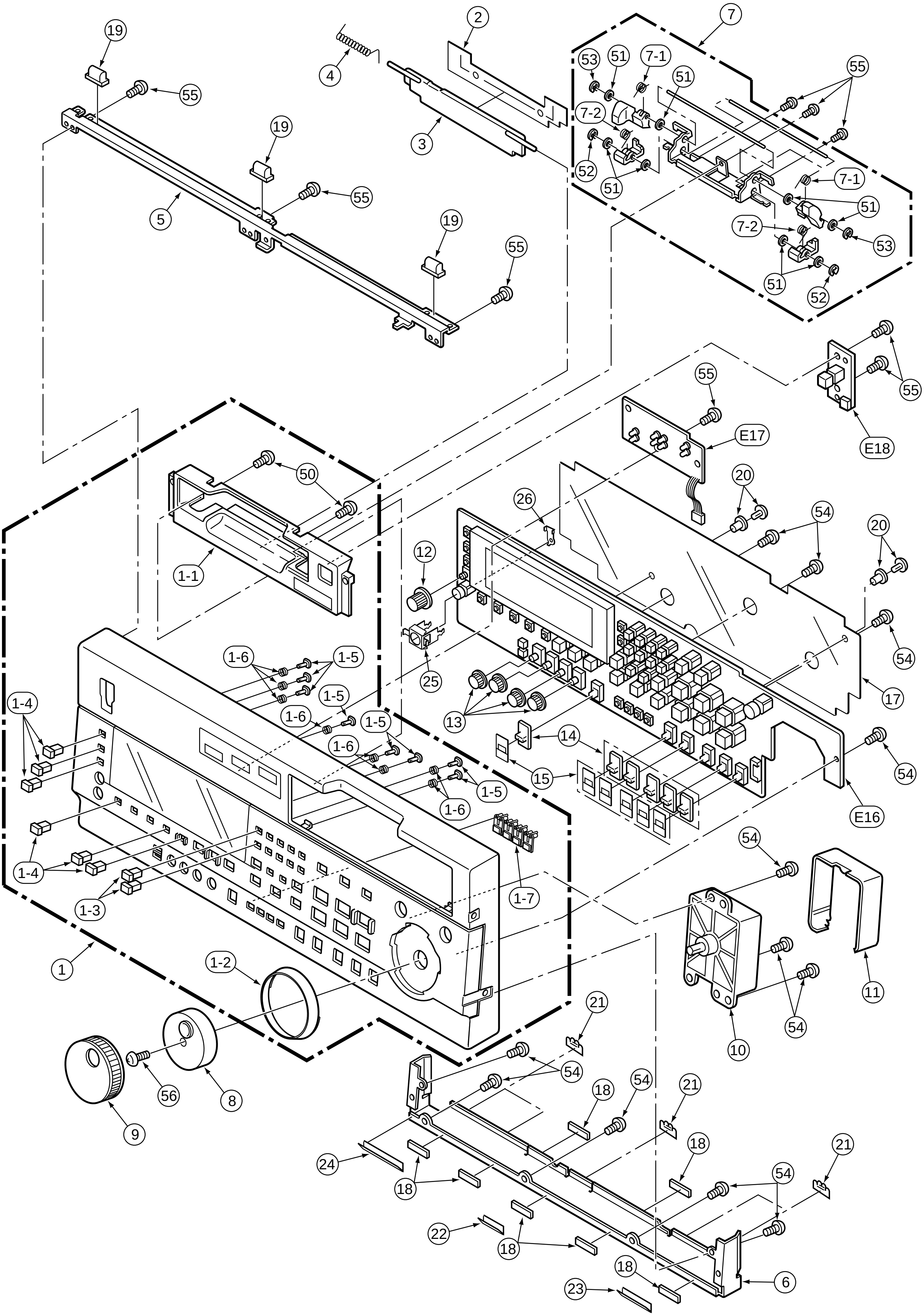
Note: Ref No. 3, 4, 20
is applied only for E, MC.

CASING PARTS ASSEMBLY

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
1	VYP7585	TOP PANEL	1	
1-1	VMZ2325	TOP PANEL BARRIER	1	
1-2	VMT0800	GASKET	10	
1-3	VMT0509	CONDUCTIVE CUSHION D	1	
2	VXA7463	P.C.B. PLATE ASS'Y	1	
2-1	VMT1222	P.C.B. RUBBER CUSHION L	2	
2-2	VMT0797	GASKET C	1	
5	VMT0493	CUSHION	1	
8	VGM1699	SIDE PANEL	2	
9	VKU0546	BOTTOM PLATE	1	
14	VMP5265	CARRIAGE SUPPORT METAL	1	
15	VXA6591	MECHA DUST PROOF (U)ASS'Y	1	
16	VGF0816	INSULATION SHEET	1	
50	VMX2510	SPACER	2	
51	VHD0775	SCREW	2	
52	VMX2582	WASHER	2	
53	VMX1558	NYLON WASHER	1	
54	XYN3+K8	SCREW	1	
55	XSB3+8FZ	SCREW	4	
56	XTV3+6F	SCREW	4	
57	XSB4+8FC	SCREW	8	
58	XYE3+EF6	SCREW	6	

FRONT PANEL ASSEMBLY



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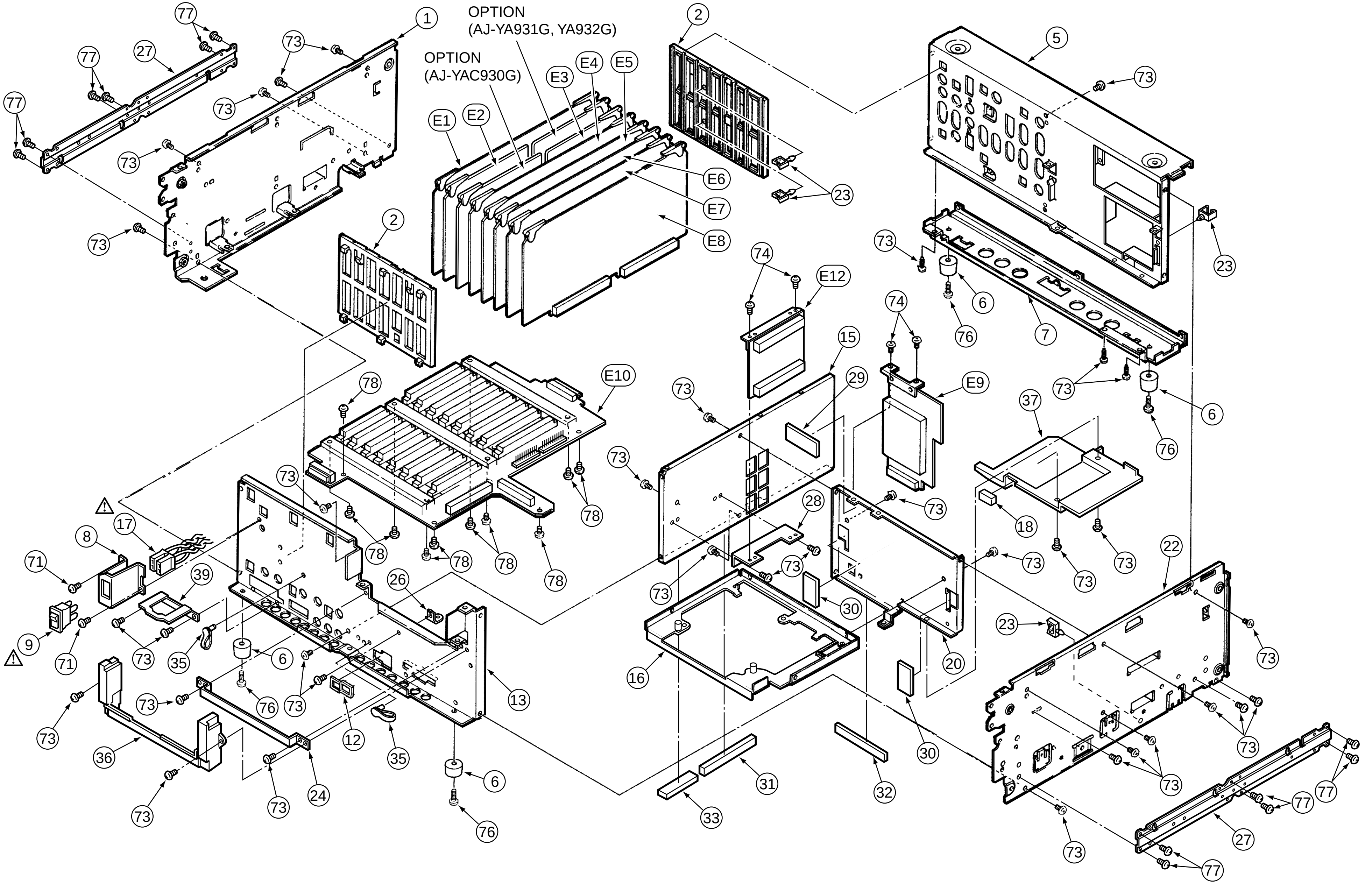
FRONT PANEL ASSEMBLY

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
1	VYP8606	FRONT PANEL (1) ASS'Y	1	FOR AJ-SD930P
1	VYP8607	FRONT PANEL (1) ASS'Y	1	FOR AJ-SD955AP
1-1	VGP5792	CASSETTE INSERT GUIDE	1	
1-2	VGL1009	JOG RING	1	
1-3	VGU9189	PUSH BUTTON B	2	
1-4	VGU9190	PUSH BUTTON S	6	
1-5	VGQ3176	PUSH BUTTON	8	
1-6	VMB2597	KEY BUTTON COIL SPRING	8	
1-7	VGU7464	RESET BUTTON	4	
2	VGF0836	PANEL SHEET	1	
3	VKF3034	BLINDER PANEL	1	
4	VMB2923	BLINDER SPRING	1	FOR AJ-SD930P
4	VMB3417	BLINDER SPRING	1	FOR AJ-SD955AP
5	VMP7324	SUPPORT ANGLE (UPPER)	1	
6	VMP7299	SUPPORT ANGLE (LOWER)	1	FOR AJ-SD930P
6	VMP7532	SUPPORT ANGLE (LOWER)	1	FOR AJ-SD955AP
7	VYQ2511	CASSETTE GUIDE ASS'Y	1	
7-1	VMB3564	CASSETTE GUIDE SPRING	2	
7-2	VMB3565	CAM SPRING	2	
8	VGU8126	SEARCH DIAL KNOB	1	
9	VGU5780	SEARCH DIAL COVER	1	
10	VSP1120	SEARCH DIAL	1	
11	VGF0802	SEARCH DIAL COVER	1	
12	VGU5605	KNOB	1	
13	VGU7469	VR KNOB	4	
14	VGU7465	SLIDE KNOB	6	
15	VGH4377	SLIDE KNOB SHEET	6	
17	VMZ3290	FRONT INSULATION SHEET	1	
18	VMT0800	GASKET	7	
19	VMT0847	GASKET	3	
20	VJF0108	SPACER	2	
21	VSC5451	FRONT EARTH ANGLE	5	FOR AJ-SD930P
21	VSC5459	FRONT EARTH ANGLE	5	FOR AJ-SD955AP
22	VGF0949	FRONT ANGLE SHEET (A)	1	
23	VGF0950	FRONT ANGLE SHEET (B)	1	
24	VGF0951	FRONT ANGLE SHEET (C)	1	
25	VSC5409	HEADPHONE EARTH ANGLE	1	
26	VSC5450	EARTH ANGLE	1	
50	XTB2+6GFZ	SCREW	2	
51	VMX2562	WASHER	8	
52	XUC2FP	E-RING	2	
53	XUC25FP	E-RING	2	
54	XTN4+10G	SCREW	12	
55	XTV3+8G	SCREW	9	
56	XSN2+8	SCREW	1	
E16	VEP86327A	FRONT P.C.BOARD	1	FOR AJ-SD930P
E16	VEP86327B	FRONT P.C.BOARD	1	FOR AJ-SD955AP
E17	VEP80C43A	FRONT SUB P.C.BOARD	1	
E18	VEP80C42A	EJECT P.C.BOARD	1	

CHASSIS FRAME ASSEMBLY

Components identified with the mark ⚠ have the special characteristics for safety.
When replacing any of these components, use only the same type.



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CHASSIS FRAME ASSEMBLY

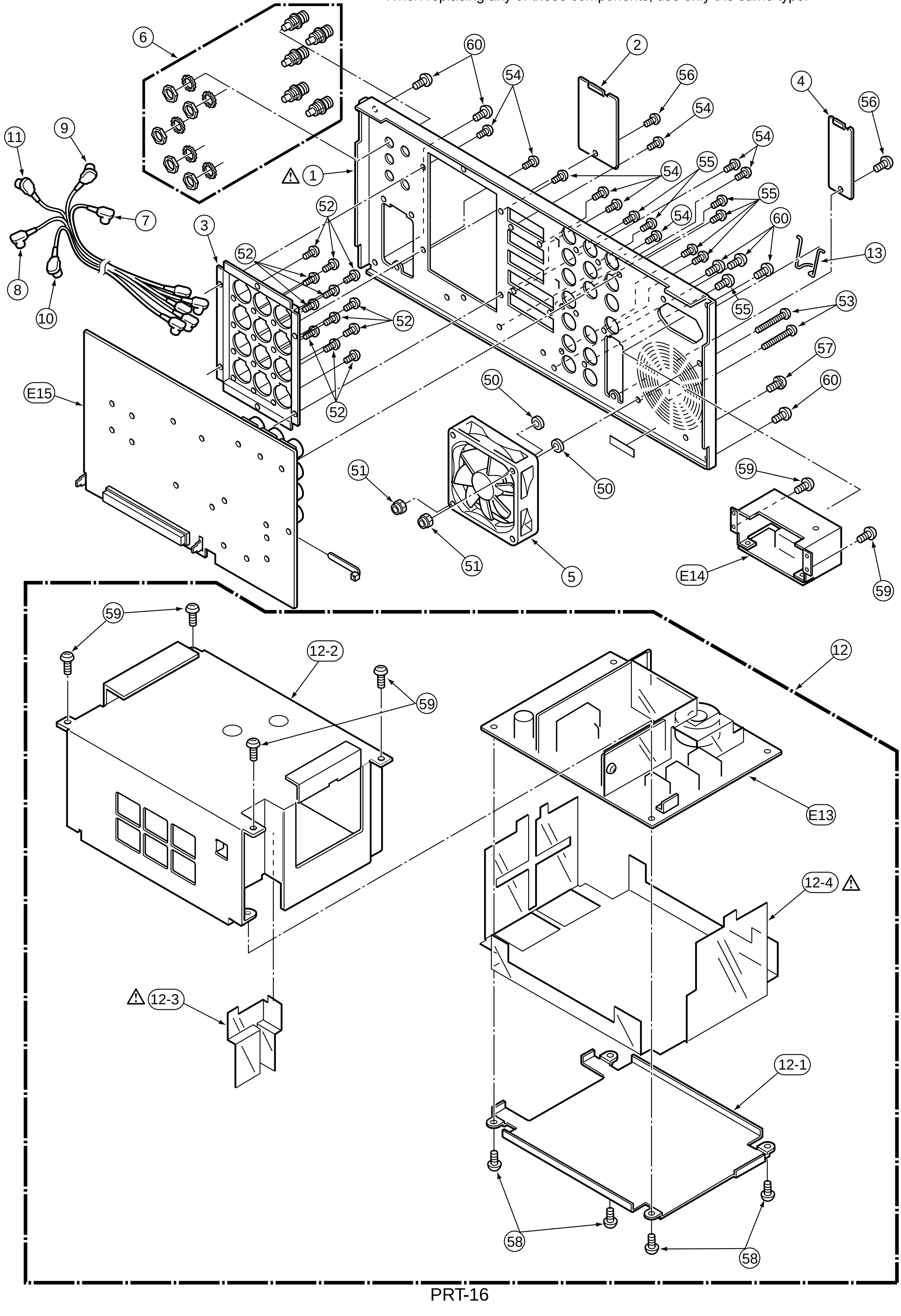
Components identified with the mark ⚠ have the special characterisitics for safety.
When replacing any of these components, use onlly the same type.

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
1	VMP6832	SIDE FRAME (L)	1	
2	VGQ4011	P.C.BOARD GUIDE RAIL A	2	
5	VMP6802	REAR FRAME	1	
6	VKA0117	PLASTIC FOOT	4	
7	VMP6020	BOTTOM FRAME	1	
8	VMP7302	SW BRACKET	1	
⚠ 9	K0AAKE000053	POWER SWITCH	1	
12	VJF1259	EDGE HOLDER	1	
13	VMP6803	FRONT FRAME	1	
15	VMP6800	CENTER FRAME	1	
16	VXA7029	MECHA FRAME ASS'Y	1	
⚠ 17	VEE0U47	AC CABLE	1	
18	VMT0968	DUST PROOF CUHION (D)	1	
20	VMP6801	MIDDLE FRAME	1	
22	VMP6833	SIDE FRAME (R)	1	
23	VJF0384	CLAMPER	4	
24	VMP6126	MECHA DUST PROOF (F)ASS'Y	1	
26	VMP5298	SAUB P.C.B. HOLDER ANGLE	1	
27	VMP6248	RACK MOUNT	2	
28	VMP6807	MECHA EXT FIX ANGLE	1	
29	VMT1014	DUST PROOF CUSHION (A)	1	
30	VMT1219	DUST PROOF CUSHION (A)	2	
31	VMT1044	DUST PROOF CUSHION (L)	1	
32	VMT1232	DUST PROOF CUSHION (B)	1	
33	VMT1043	CUSHION	1	
35	VJF0469	CLAMPER	2	
36	VXA7462	MECHA DUST PROOF (F)ASS'Y	1	
37	VXA7032	MECHA SHIELD (L) ASS'Y	1	
39	VMP7305	MOTHER SUPPORT ANGLE	1	
71	VHD5013	SCREW	2	
73	XTV3+6F	SCREW	35	
74	XTV3+6FFR	SCREW	4	
76	XYNV3+K12S	SCREW	4	
77	XTV4+6F	SCREW	12	
78	XYE3+EF6	SCREW	10	
E1	VEP84383A	AUDIO P.C.BOARD	1	
E2	VEP84384A	A PROC P.C.BOARD	1	
E3	VEP83605A	A SDI P.C.BOARD	1	
E4	VEP83596B	REC PB P.C.BOARD	1	FOR AJ-SD930P
E4	VEP83596C	REC PB P.C.BOARD	1	FOR AJ-SD955AP
E5	VEP83597B	V OUT P.C.BOARD	1	FOR AJ-SD930P
E5	VEP83597C	V OUT P.C.BOARD	1	FOR AJ-SD955AP
E6	VEP86326B	SYSCON P.C.BOARD	1	FOR AJ-SD930P
E6	VEP86326C	SYSCON P.C.BOARD	1	FOR AJ-SD955AP
E7	VEP82246B	SERVO P.C.BOARD	1	FOR AJ-SD930P
E7	VEP82246C	SERVO P.C.BOARD	1	FOR AJ-SD955AP
E8	VEP85207A	RF EQ P.C.BOARD	1	
E9	VEP85208A	RF CUE P.C.BOARD	1	
E10	VEP80C41A	MOTHER P.C.BOARD	1	
E12	VEP82247A	MECHA I/F 2 P.C.BOARD	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks

REAR PANEL ASSEMBLY

Components identified with the mark ⚠ have the special characteristics for safety.
When replacing any of these components, use only the same type.



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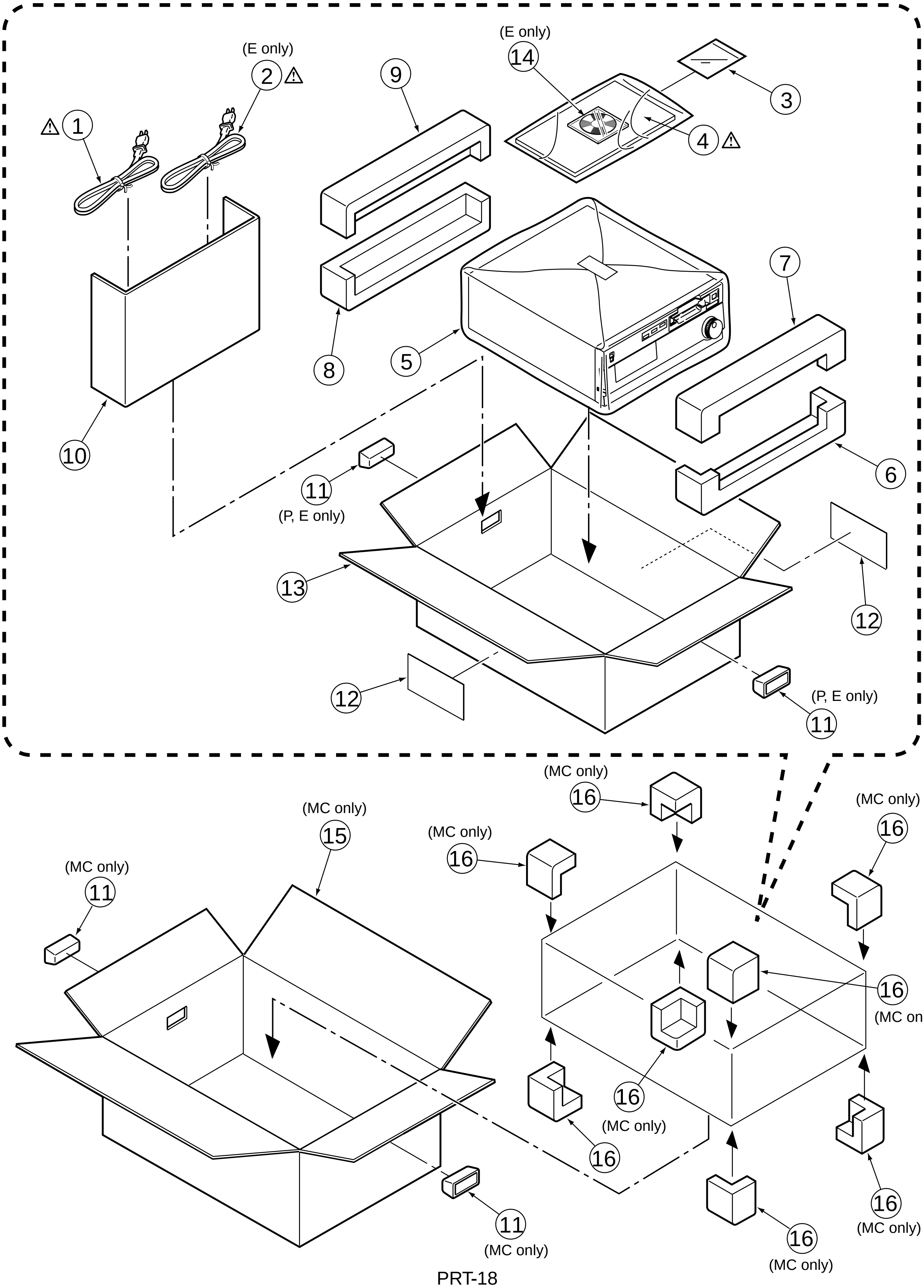
REAR PANEL ASSEMBLY

Components identified with the mark ⚠ have the special characterisitics for safety.
When replacing any of these components, use onlly the same type.

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
⚠ 1	VJH1220	JACK PANEL	1	
2	VMP5032	OPTION PANEL	1	
3	VMP7303	XLR HOLDER ANGLE	1	
4	VMP7304	BLANK PANEL	1	
5	VRF0190	FAN MOTOR	1	L6FALEFH0007
6	VJS3462	CONNECTOR (FEMALE)	5	K1SMBDBA0002
7	VEE9651	CABLE (BLACK)	1	K1RZBBB00003
8	VEE9653	CABLE	1	K1RZBBB00006
9	VEE9655	CABLE (ORANGE)	1	K1RZBBB00007
10	VEE9652	CABLE (RED)	1	K1RZBBB00008
11	VEE9654	CABLE (YELLOW)	1	K1RZBBB00009
12	VEK9821	POWER ASS'Y	1	
12-1	VSC5223	POWER CASE (LOWER)	1	
12-2	VSC5224	POWER CASE (UPPER)	1	
⚠ 12-3	VMZ3148	POWER BARRIER B	1	
⚠ 12-4	VMZ3304	POWER BARRIER	1	
13	VML2903	AC CORD HOOK	1	
50	VMX0835	SPACER	2	
51	VHN0063	NYLON NUT	2	
52	XSN26+6FZ	SCREW	12	
53	XSN4+35FC	SCREW	2	
54	XTN26+6FFZ	SCREW	9	
55	XTV3+10GFZ	SCREW	7	
56	XTV3+6FFZ	SCREW	2	
57	XYE4+EF8	SCREW	1	
58	XYN3+F8	SCREW	4	
59	XTV3+6FFR	SCREW	6	
60	XTV3+6F	SCREW	6	
E13	VEP81221C	POWER 1 P.C.BOARD	1	
E14	VEP81222A	POWER 2 P.C.BOARD	1	
E15	VEP80C40A	AV JACK P.C.BOARD	1	

PACKING PARTS ASSEMBLY

Components identified with the mark ⚠ have the special characteristics for safety.
When replacing any of these components, use only the same type.



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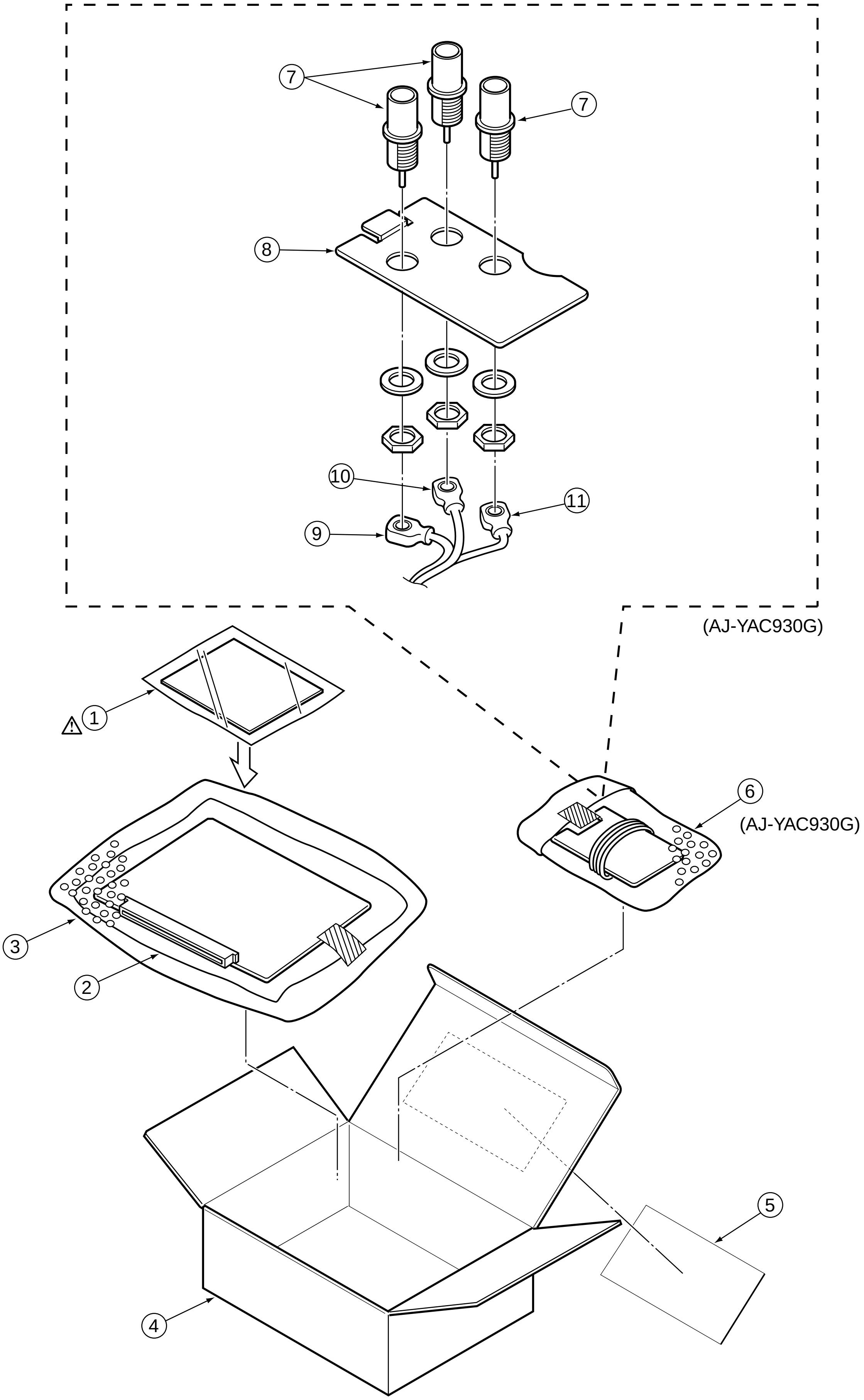
PACKING PARTS ASSEMBLY

Components identified with the mark ⚠ have the special characterisitics for safety.
When replacing any of these components, use onlly the same type.

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
⚠ 1	K2CG3CH00001	AC CORD	1	
3	VXF0173	EMERGENCY EJECT ASS'Y	1	
⚠ 4	VQT9955	OPERATING INSTRUCTIONS	1	ENGLISH ONLY
5	VPF0277	POLYETHYLENE BAG	1	
6	VPN5801	CUSHION FD	1	
7	VPN4606	CUSHION	1	
8	VPN4304	CUSHION LL	1	
9	VPN4302	CUSHION UL	1	
10	VPN4305	ACCESSORY PAD	1	
11	VPF0149	HANDLE COVER	2	
12	VQL9821	PACKING LABEL	2	
13	VPG8654	PACKING CASE	1	

PACKING PARTS ASSEMBLY (AJ-YA931G, YA932G / AJ-YAC930G)

Components identified with the mark ⚠ have the special characteristics for safety.
When replacing any of these components, use only the same type.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PACKING PARTS ASSEMBLY (AJ-YA931G, YA932G / AJ-YAC930G)

Components identified with the mark ⚠ have the special characterisitics for safety.
When replacing any of these components, use onlly the same type.

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
⚠ 1	VQT9965	OPERATING INSTRUCTIONS	1	AJ-YA931G
⚠ 1	VQT9966	OPERATING INSTRUCTIONS	1	AJ-YA932G
⚠ 1	VQT9964	OPERATING INSTRUCTIONS	1	AJ-YAC930G
2	VPF0359	POLYETHYLENE BAG	1	
3	VPF0678	AIR CAP	1	
4	VPG6296	PACKING CASE	1	
5	VQL9822	PACKING LABEL	1	
6	VPF0679	AIR BAG	1	AJ-YAC930G
7	VJS3462	CONNECTOR (FEMALE)	3	K1SMBDBA0002 AJ-YAC930G
8	VMP7306	JACK PANEL	1	AJ-YAC930G
9	VEE9651	CABLE (BLACK)	1	K1RZBBB00003 AJ-YAC930G
10	VEE9655	CABLE (ORANGE)	1	K1RZBBB00007 AJ-YAC930G
11	VEE9654	CABLE (YELLOW)	1	K1RZBBB00009 AJ-YAC930G

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks

ELECTRICAL REPLACEMENT PARTS LIST (AJ-SD930P)

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
■ E1	VEP84383A	F1 AUDIO P.C.BOARD	1	(RTL)
■ E2	VEP84384A	F2B A PROC P.C.BOARD	1	(RTL)
■ E3	VEP83605A	F3A SDI P.C.BOARD	1	(RTL)
■ E4	VEP83596B	F4 REC PB P.C.BOARD	1	(RTL)
■ E5	VEP83597B	F5 V OUT P.C.BOARD	1	(RTL)
■ E6	VEP86326B	F6 SYSCON P.C.BOARD	1	(RTL)
■ E7	VEP82246B	F7 SERVO P.C.BOARD	1	(RTL)
■ E8	VEP85207A	F8 RF EQ P.C.BOARD	1	(RTL)
■ E9	VEP85208A	RF CUE P.C.BOARD	1	(RTL)
■ E10	VEP80C41A	MOTHER P.C.BOARD	1	(RTL)
■ E11	VEP82239A	MECHA IF P.C.BOARD	1	(RTL)
■ E12	VEP82247A	MECHA IF 2 P.C.BOARD	1	(RTL)
■ E13	VEP81221C	POWER 1 P.C.BOARD	1	(RTL)
■ E14	VEP81222A	POWER 2 P.C.BOARD	1	(RTL)
■ E15	VEP80C40A	AV JACK P.C.BOARD	1	(RTL)
■ E16	VEP86327A	FRONT P.C.BOARD	1	(RTL)
■ E17	VEP80C43A	FRONT SUB P.C.BOARD	1	(RTL)
■ E18	VEP80C42A	EJECT P.C.BOARD	1	(RTL)
■ E19	VEP80856A	CARRIGE P.C.BOARD	1	(RTL)
■ E1	VEP84383A	F1 AUDIO P.C.BOARD	1	(RTL)
C4100-03	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	4	
C4104-07	ECEA1HGE330	E.CAPACITOR 50V 33U	4	
C4114-17	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C4118,19	EEVHB0J470	E.CAPACITOR 6.3V 47U	2	
C4120,21	EEVHP1C100	E.CAPACITOR 16V 10U	2	
C4126,27	ECUX1H820JCV	C.CAPACITOR CH 50V 82P	2	
C4128-31	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C4134,35	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	2	
C4200-03	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	4	
C4204-07	ECEA1HGE330	E.CAPACITOR 50V 33U	4	
C4214-17	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C4218,19	EEVHB0J470	E.CAPACITOR 6.3V 47U	2	
C4220,21	EEVHP1C100	E.CAPACITOR 16V 10U	2	
C4226,27	ECUX1H820JCV	C.CAPACITOR CH 50V 82P	2	
C4228-31	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C4234,35	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	2	
C4300-03	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C4304-07	EEVHB1C100	E.CAPACITOR 16V 10U	4	
C4308-11	EEVHB1C220	E.CAPACITOR 16V 22U	4	
C4313,14	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C4316,17	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C4319,20	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C4322,23	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C4324-27	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	4	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C4328	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C4329-32	ECUX1H152KBV	C.CAPACITOR CH 50V 1500P	4	
C4334,35	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C4336	EEVHB1C220	E.CAPACITOR 16V 22U	1	
C4338	EEVHB1C220	E.CAPACITOR 16V 22U	1	
C4341	EEVHB1C220	E.CAPACITOR 16V 22U	1	
C4343	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C4344	EEVHB1C220	E.CAPACITOR 16V 22U	1	
C4345	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C4346,47	EEVHB1C220	E.CAPACITOR 16V 22U	2	
C4348,49	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C4350,51	EEVHB1C220	E.CAPACITOR 16V 22U	2	
C4352-55	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C4356-59	ECUX1H332KBV	C.CAPACITOR CH 50V 3300P	4	
C4360	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C4361-68	ECUX1H471KBV	C.CAPACITOR CH 50V 470P	8	
C4373-76	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	4	
C4451	EEVHB1C220	E.CAPACITOR 16V 22U	1	
C4454,55	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	2	
C4456	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C4457	EEVHB1C220	E.CAPACITOR 16V 22U	1	
C4458	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C4459,60	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C4461,62	EEVHB0J470	E.CAPACITOR 6.3V 47U	2	
C4463,64	ECUX1H332KBV	C.CAPACITOR CH 50V 3300P	2	
C4465-68	ECUX1H471KBV	C.CAPACITOR CH 50V 470P	4	
C4469,70	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C4473,74	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C4475,76	EEVHB0J470	E.CAPACITOR 6.3V 47U	2	
C4477,78	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	2	
C4479-82	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C4483,84	EEVHB0J470	E.CAPACITOR 6.3V 47U	2	
C4487,88	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C4489,90	ECHU1H472JB	P.CAPACITOR 50V 4700P	2	
C4499	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	1	
C4500	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C4501	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C4560,61	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C4562,63	ECHU1H472JB	P.CAPACITOR 50V 4700P	2	
C4568,69	EEVHP1C100	E.CAPACITOR 16V 10U	2	
C4570,71	ECUX1H220JCV	C.CAPACITOR CH 50V 22P	2	
C4572,73	EEVHB1C220	E.CAPACITOR 16V 22U	2	
C4574,75	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C4576,77	EEVHB1C220	E.CAPACITOR 16V 22U	2	
C4578,79	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C4580,81	EEVHB1C220	E.CAPACITOR 16V 22U	2	
C4582-85	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C4586,87	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	2	
C4588,89	ECUX1H270JCV	C.CAPACITOR CH 50V 27P	2	
C4590-93	ECA1CHG471	C.CAPACITOR 16V 470U	4	
C4598,99	ECJ1VC1H181J	C.CAPACITOR CH 50V 180P	2	
C4690,91	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C4692,93	ECHU1H472JB	P.CAPACITOR 50V 4700P	2	
C4698,99	EEVHP1C100	E.CAPACITOR 16V 10U	2	
C4700,01	EEVHB1C220	E.CAPACITOR 16V 22U	2	
C4702,03	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C4704,05	EEVHB1C220	E.CAPACITOR 16V 22U	2	
C4706,07	ECUX1H220JCV	C.CAPACITOR CH 50V 22P	2	
C4708,09	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C4710,11	EEVHB1C220	E.CAPACITOR 16V 22U	2	
C4712-15	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C4716,17	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	2	
C4718,19	ECUX1H270JCV	C.CAPACITOR CH 50V 27P	2	
C4720-23	ECA1CHG471	C.CAPACITOR 16V 470U	4	
C4728,29	ECJ1VC1H181J	C.CAPACITOR CH 50V 180P	2	
C4820,21	ECUX1H820JCV	C.CAPACITOR CH 50V 82P	2	
C4822-25	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C4828,29	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C4832,33	EEVHB1C220	E.CAPACITOR 16V 22U	2	
C4834,35	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C4836,37	EEVHB1C220	E.CAPACITOR 16V 22U	2	
C4838,39	ECUX1H220JCV	C.CAPACITOR CH 50V 22P	2	
C4844-47	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C4848,49	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	2	
C4850,51	ECUX1H270JCV	C.CAPACITOR CH 50V 27P	2	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C4852-55	ECA1CHG471	C.CAPACITOR 16V 470U	4	
C4858-61	EEVHP1C100	E.CAPACITOR 16V 10U	4	
C4862,63	ECUX1H220JCV	C.CAPACITOR CH 50V 22P	2	
C4950	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C4951	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C4953,54	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C4955,56	EEVHB0J470	E.CAPACITOR 6.3V 47U	2	
C4957-63	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	7	
C4964	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C4965	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C5001	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	1	
C5003	ECUX1C394KBN	C.CAPACITOR CH 16V 0.39U	1	
C5007	ECUX1C394KBN	C.CAPACITOR CH 16V 0.39U	1	
C5008,09	ECUX1H822KBV	C.CAPACITOR CH 50V 8200P	2	
C5010	ECUX1C394KBN	C.CAPACITOR CH 16V 0.39U	1	
C5011,12	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	2	
C5014,15	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C5017	ECUM1H273KBN	C.CAPACITOR CH 50V 0.027U	1	
C5018-20	ECHU1C104J	P.CAPACITOR 16V 0.1U	3	
C5021,22	ECUX1H182KBV	C.CAPACITOR CH 50V 1800P	2	
C5023	ECHU1C104J	P.CAPACITOR 16V 0.1U	1	
C5025,26	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	2	
C5028	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	1	
C5030	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	1	
C5031	ECUM1C224KBM	C.CAPACITOR CH 16V 0.22U	1	
C5034	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	1	
C5035	ECUX1C333KBV	C.CAPACITOR CH 16V 0.033U	1	
C5036	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C5037	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C5039	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C5040	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C5041	ECHU1C104J	P.CAPACITOR 16V 0.1U	1	
C5042	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	1	
C5043	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	1	F1K1C105A026
C5044	ECUX1H222KBV	C.CAPACITOR CH 50V 2200P	1	
C5045	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C5049-56	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	8	
C5057-60	EEVHB0J470	E.CAPACITOR 6.3V 47U	4	
C5066,67	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C5068	EEVHB1C220	E.CAPACITOR 16V 22U	1	
C5200	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C5201	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	1	
C5202	EEVHB1C220	E.CAPACITOR 16V 22U	1	
C5203	EEVHB1C100	E.CAPACITOR 16V 10U	1	
C5207	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C5209,10	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	2	
C5211	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C5214	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	1	
C5215,16	ECUX1H222KBV	C.CAPACITOR CH 50V 2200P	2	
C5217	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C5218	EEVHB1C100	E.CAPACITOR 16V 10U	1	
C5219	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C5220	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C5225	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C5226	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	1	
C5228	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	1	
C5400	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C5402-06	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	5	
D4100-03	MA3X15700L	DIODE	4	
D4104	MA3X71600L	DIODE	1	
D4200-03	MA3X15700L	DIODE	4	
D4204	MA3X71600L	DIODE	1	
D4450	MA147	DIODE	1	
D4451	MA142WK	DIODE	1	
D4453-55	MA142WK	DIODE	3	
D4460	MA142WK	DIODE	1	
D4562-65	MA3X15700L	DIODE	4	
D4566,67	MA142WA	DIODE	2	
D4692-95	MA3X15700L	DIODE	4	
D4696,97	MA142WA	DIODE	2	
D4820-23	MA3X15700L	DIODE	4	
D4824-26	MA142WA	DIODE	3	
D5001,02	MA3X71600L	DIODE	2	
D5200	MA152A	DIODE	1	
D5201,02	MA3X15700L	DIODE	2	
FL4950	VLF1466B223	LINE FILTER	1	
IC4100,01	C0ABBB000184	IC	2	
IC4102,03	THC4052FT	IC	2	
IC4104	C0CBADD00003	IC	1	
IC4105	C0CBBDB00004	IC	1	
IC4106,07	C0ABBB000184	IC	2	
IC4110,11	C0ABBB000184	IC	2	
IC4112,13	THC4052FT	IC	2	
IC4200,01	C0ABBB000184	IC	2	
IC4202,03	THC4052FT	IC	2	
IC4204	C0CBADD00003	IC	1	
IC4205	C0CBBDB00004	IC	1	
IC4206,07	C0ABBB000184	IC	2	
IC4210,11	C0ABBB000184	IC	2	
IC4212,13	THC4052FT	IC	2	
IC4300	C0JBAZ001121	IC	1	
IC4301-04	C0ABBB000184	IC	4	
IC4306,07	C0FBZK000006	IC	2	
IC4308	C0CBABE00013	IC	1	
IC4309-12	C0ABBB000184	IC	4	
IC4313-16	THC4052FT	IC	4	
IC4450	C0FBBK000029	IC	1	
IC4451	C0CBADD00003	IC	1	
IC4452	C0CBBDB00004	IC	1	
IC4453,54	C0ABBB000184	IC	2	
IC4455	C0CBADD00003	IC	1	
IC4456	C0CBBDB00004	IC	1	
IC4457,58	THC4052FT	IC	2	
IC4459	C0CBADD00003	IC	1	
IC4460	C0CBBDB00004	IC	1	
IC4463,64	C0ABBB000184	IC	2	
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IC4692,93	THC4052FT	IC	2	
IC4694-97	NJM4556AM	IC	4	C0ABBB000042
IC4822,23	C0ABBB000184	IC	2	
IC4824,25	TC4W53FU	IC	2	
IC4826	THC4052FT	IC	1	
IC4827	NJM4556AM	IC	1	C0ABBB000042
IC4828	THC4052FT	IC	1	
IC4829-31	NJM4556AM	IC	3	C0ABBB000042
IC4832	C0ABBB000184	IC	1	
IC4950	C3BBFC000270	IC	1	
IC4951	C0CBAAB00021	IC	1	
IC4952	C1ZBZ0001836	IC	1	
IC5001-03	C0ABBB000184	IC	3	
IC5004	C0JBAS000075	IC	1	
IC5005,06	C0ABBB000184	IC	2	
IC5008	C0JBAS000075	IC	1	
IC5009	C1BB00000311	IC	1	
IC5010	C0ABBB000184	IC	1	
IC5011	THC4052FT	IC	1	
IC5013	C0CBADD00003	IC	1	
IC5015	C0ABBB000184	IC	1	
IC5016	C0CBBDB00004	IC	1	
IC5017	C0CBADD00003	IC	1	
IC5019	C0CBBDB00004	IC	1	
IC5020	NJM78L09UA	IC	1	C0CBAHC00002
IC5200	C0JBAZ001121	IC	1	
IC5202	C0FBZH000011	IC	1	
IC5203	C0ABBB000184	IC	1	
IC5204	C0CBABE00013	IC	1	
IC5401	C0JBAZ001003	IC	1	
IC5402	C0JBAZ001137	IC	1	
IC5404	C0JBAZ001121	IC	1	
IC5405	C0JBAA000261	IC	1	
ID5400	VVVSI3891	SOFTWARE	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
IP5400	C1ZBZ0001555	IC	1	
L4950	VLF1151A132	COIL	1	
P4001,02	K1KA96B00032	CONNECTOR (MALE)	2	
P5400	K1KA08B00147	CONNECTOR (FEMALE)	1	
Q4450-53	2SB1219A-R	TRANSISTOR	4	
Q4454,55	2SD1979	TRANSISTOR	2	
Q4560,61	2SD1979	TRANSISTOR	2	
Q4562	2SD602A-R	TRANSISTOR	1	
Q4563	2SB710A-R	TRANSISTOR	1	
Q4564-69	2SD1328	TRANSISTOR	6	
Q4690,91	2SD1979	TRANSISTOR	2	
Q4692	2SD602A-R	TRANSISTOR	1	
Q4693	2SB710A-R	TRANSISTOR	1	
Q4694-99	2SD1328	TRANSISTOR	6	
Q4820	2SD602A-R	TRANSISTOR	1	
Q4821	2SB710A-R	TRANSISTOR	1	
Q4822-29	2SD1328	TRANSISTOR	8	
Q5200-02	2SD1328	TRANSISTOR	3	
QR4450-53	UNR521300L	TRANSISTOR	4	
QR4454,55	UNR511300L	TRANSISTOR	2	
QR4560,61	UNR521300L	TRANSISTOR	2	
QR4562,63	UNR511300L	TRANSISTOR	2	
QR4690,91	UNR521300L	TRANSISTOR	2	
QR4692,93	UNR511300L	TRANSISTOR	2	
R4001	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R4010	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4030,31	ERDS2TJ392	C.RESISTOR 1/4W 3.9K	2	D0AE392JA045
R4100,01	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R4102,03	ERJ12YJ621	M.RESISTOR CH 1/2W 620	2	
R4104,05	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	2	
R4106-09	ERJ3RBD473	M.RESISTOR CH 1/16W 47K	4	
R4110-13	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	4	
R4114	ERJ3RBD202	M.RESISTOR CH 1/16W 2K	1	
R4115	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
R4116	ERJ3RBD333	M.RESISTOR CH 1/16W 33K	1	
R4117	ERJ3RBD202	M.RESISTOR CH 1/16W 2K	1	
R4118	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
R4119	ERJ3RBD333	M.RESISTOR CH 1/16W 33K	1	
R4120	ERJ3RBD202	M.RESISTOR CH 1/16W 2K	1	
R4121	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
R4122	ERJ3RBD333	M.RESISTOR CH 1/16W 33K	1	
R4123	ERJ3RBD202	M.RESISTOR CH 1/16W 2K	1	
R4124	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
R4125	ERJ3RBD333	M.RESISTOR CH 1/16W 33K	1	
R4126-29	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	4	
R4130	ERJ3GEYJ335	M.RESISTOR CH 1/16W 3.3M	1	
R4131	ERJ3RED470	M.RESISTOR CH 1/16W 47	1	
R4132	ERJ3RBD911	M.RESISTOR CH 1/16W 910	1	
R4133	ERJ3GEYJ335	M.RESISTOR CH 1/16W 3.3M	1	
R4134	ERJ3RED470	M.RESISTOR CH 1/16W 47	1	
R4135	ERJ3RBD911	M.RESISTOR CH 1/16W 910	1	
R4136	ERJ3GEYJ335	M.RESISTOR CH 1/16W 3.3M	1	
R4137	ERJ3RED470	M.RESISTOR CH 1/16W 47	1	
R4138	ERJ3RBD911	M.RESISTOR CH 1/16W 910	1	
R4139	ERJ3GEYJ335	M.RESISTOR CH 1/16W 3.3M	1	
R4140	ERJ3RED470	M.RESISTOR CH 1/16W 47	1	
R4141	ERJ3RBD911	M.RESISTOR CH 1/16W 910	1	
R4142-47	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	6	
R4148,49	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R4150,51	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	2	
R4152,53	ERJ3RED470	M.RESISTOR CH 1/16W 47	2	
R4154,55	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R4156,57	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	2	
R4160,61	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R4162,63	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	2	
R4164,65	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2	
R4166	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R4168	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R4170	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4171	ERJ3RBD682	M.RESISTOR CH 1/16W 6.8K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R4172	ERJ3RBD391	M.RESISTOR CH 1/16W 390	1	
R4173	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R4174	ERJ3RBD202	M.RESISTOR CH 1/16W 2K	1	
R4175	ERJ3RBD682	M.RESISTOR CH 1/16W 6.8K	1	
R4176	ERJ3RBD391	M.RESISTOR CH 1/16W 390	1	
R4177	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R4178	ERJ3RBD202	M.RESISTOR CH 1/16W 2K	1	
R4179	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4180	ERJ3RBD822	M.RESISTOR CH 1/16W 8.2K	1	
R4181	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	
R4182	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R4183	ERJ3RBD822	M.RESISTOR CH 1/16W 8.2K	1	
R4184	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	
R4185	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R4186,87	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R4188,89	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R4190,91	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R4200,01	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R4202,03	ERJ12YJ621	M.RESISTOR CH 1/2W 620	2	
R4204,05	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	2	
R4206-09	ERJ3RBD473	M.RESISTOR CH 1/16W 47K	4	
R4210-13	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	4	
R4214	ERJ3RBD202	M.RESISTOR CH 1/16W 2K	1	
R4215	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
R4216	ERJ3RBD333	M.RESISTOR CH 1/16W 33K	1	
R4217	ERJ3RBD202	M.RESISTOR CH 1/16W 2K	1	
R4218	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
R4219	ERJ3RBD333	M.RESISTOR CH 1/16W 33K	1	
R4220	ERJ3RBD202	M.RESISTOR CH 1/16W 2K	1	
R4221	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
R4222	ERJ3RBD333	M.RESISTOR CH 1/16W 33K	1	
R4223	ERJ3RBD202	M.RESISTOR CH 1/16W 2K	1	
R4224	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
R4225	ERJ3RBD333	M.RESISTOR CH 1/16W 33K	1	
R4226-29	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	4	
R4230	ERJ3GEYJ335	M.RESISTOR CH 1/16W 3.3M	1	
R4231	ERJ3RED470	M.RESISTOR CH 1/16W 47	1	
R4232	ERJ3RBD911	M.RESISTOR CH 1/16W 910	1	
R4233	ERJ3GEYJ335	M.RESISTOR CH 1/16W 3.3M	1	
R4234	ERJ3RED470	M.RESISTOR CH 1/16W 47	1	
R4235	ERJ3RBD911	M.RESISTOR CH 1/16W 910	1	
R4236	ERJ3GEYJ335	M.RESISTOR CH 1/16W 3.3M	1	
R4237	ERJ3RED470	M.RESISTOR CH 1/16W 47	1	
R4238	ERJ3RBD911	M.RESISTOR CH 1/16W 910	1	
R4239	ERJ3GEYJ335	M.RESISTOR CH 1/16W 3.3M	1	
R4240	ERJ3RED470	M.RESISTOR CH 1/16W 47	1	
R4241	ERJ3RBD911	M.RESISTOR CH 1/16W 910	1	
R4242-47	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	6	
R4248,49	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R4250,51	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	2	
R4252,53	ERJ3RED470	M.RESISTOR CH 1/16W 47	2	
R4254,55	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R4256,57	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	2	
R4260,61	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R4262,63	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	2	
R4264,65	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2	
R4266	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R4268	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R4270	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4271	ERJ3RBD682	M.RESISTOR CH 1/16W 6.8K	1	
R4272	ERJ3RBD391	M.RESISTOR CH 1/16W 390	1	
R4273	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R4274	ERJ3RBD202	M.RESISTOR CH 1/16W 2K	1	
R4275	ERJ3RBD682	M.RESISTOR CH 1/16W 6.8K	1	
R4276	ERJ3RBD391	M.RESISTOR CH 1/16W 390	1	
R4277	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R4278	ERJ3RBD202	M.RESISTOR CH 1/16W 2K	1	
R4279	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4280	ERJ3RBD822	M.RESISTOR CH 1/16W 8.2K	1	
R4281	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	
R4282	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R4283	ERJ3RBD822	M.RESISTOR CH 1/16W 8.2K	1	
R4284	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	
R4285	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R4286,87	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R4288,89	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R4290,91	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R4300	D1H84704A008	COMBI.R-R 47	1	
R4301	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R4302,03	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R4304-15	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	12	
R4316-19	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	4	
R4320-27	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	8	
R4328-35	ERJ3RBD331	M.RESISTOR CH 1/16W 330	8	
R4336,37	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R4338,39	D1H84704A008	COMBI.R-R 47	2	
R4340-43	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	4	
R4344	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R4345	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4346	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R4347-49	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R4350-61	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	12	
R4362-69	ERJ3RBD201	M.RESISTOR CH 1/16W 200	8	
R4370-73	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	4	
R4378-81	ERJ3RBD912	M.RESISTOR CH 1/16W 9.1K	4	
R4382	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R4383	ERJ3RBD362	M.RESISTOR CH 1/16W 3.6K	1	
R4384	ERJ3RBD242	M.RESISTOR CH 1/16W 2.4K	1	
R4385	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R4386	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R4387	ERJ3RBD362	M.RESISTOR CH 1/16W 3.6K	1	
R4388	ERJ3RBD242	M.RESISTOR CH 1/16W 2.4K	1	
R4389	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R4390	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R4391	ERJ3RBD362	M.RESISTOR CH 1/16W 3.6K	1	
R4392	ERJ3RBD242	M.RESISTOR CH 1/16W 2.4K	1	
R4393	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R4394	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R4395	ERJ3RBD362	M.RESISTOR CH 1/16W 3.6K	1	
R4396	ERJ3RBD242	M.RESISTOR CH 1/16W 2.4K	1	
R4397	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R4398	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R4399	ERJ3RBD241	M.RESISTOR CH 1/16W 240	1	
R4400	ERJ3RED680	M.RESISTOR CH 1/16W 68	1	
R4401	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R4402	ERJ3RBD241	M.RESISTOR CH 1/16W 240	1	
R4403	ERJ3RED680	M.RESISTOR CH 1/16W 68	1	
R4404	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R4405	ERJ3RBD241	M.RESISTOR CH 1/16W 240	1	
R4406	ERJ3RED680	M.RESISTOR CH 1/16W 68	1	
R4407	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R4408	ERJ3RBD241	M.RESISTOR CH 1/16W 240	1	
R4409	ERJ3RED680	M.RESISTOR CH 1/16W 68	1	
R4410-14	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	5	
R4417,18	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R4454	D1H84704A008	COMBI.R-R 47	1	
R4455,56	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R4457	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R4458	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4459,60	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R4461	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R4462	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R4463	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R4464	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R4465	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4466	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R4468-71	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	4	
R4472	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R4473,74	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	2	
R4475-78	ERJ3RBD201	M.RESISTOR CH 1/16W 200	4	
R4479	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R4481,82	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	2	
R4485,86	ERJ3RBD912	M.RESISTOR CH 1/16W 9.1K	2	
R4487	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R4488	ERJ3RBD362	M.RESISTOR CH 1/16W 3.6K	1	
R4489	ERJ3RBD242	M.RESISTOR CH 1/16W 2.4K	1	
R4490	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R4491	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R4492	ERJ3RBD362	M.RESISTOR CH 1/16W 3.6K	1	
R4493	ERJ3RBD242	M.RESISTOR CH 1/16W 2.4K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R4494	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R4495	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R4496	ERJ3RBD241	M.RESISTOR CH 1/16W 240	1	
R4497	ERJ3RED680	M.RESISTOR CH 1/16W 68	1	
R4498	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R4499	ERJ3RBD241	M.RESISTOR CH 1/16W 240	1	
R4500	ERJ3RED680	M.RESISTOR CH 1/16W 68	1	
R4501,02	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	2	
R4505,06	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	2	
R4507,08	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	2	
R4509,10	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R4511	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R4512	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R4513	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R4514	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R4515	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R4516	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R4517,18	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	2	
R4519,20	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2	
R4521,22	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R4523,24	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R4527-33	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	7	
R4534	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R4560,61	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	2	
R4564,65	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	2	
R4566,67	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	2	
R4568,69	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R4570	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R4571	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R4572	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R4573	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R4574	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R4575	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R4576,77	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	2	
R4578,79	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2	
R4580,81	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R4582,83	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R4586,87	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R4588,89	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	2	
R4590,91	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	2	
R4592	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R4593	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	
R4594	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	
R4595	ERJ3RBD912	M.RESISTOR CH 1/16W 9.1K	1	
R4596	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R4597	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	
R4598	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	
R4599	ERJ3RBD912	M.RESISTOR CH 1/16W 9.1K	1	
R4600	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R4601	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R4602	ERJ3RBD681	M.RESISTOR CH 1/16W 680	1	
R4603	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R4604	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R4605	ERJ3RBD681	M.RESISTOR CH 1/16W 680	1	
R4606-09	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	4	
R4610,11	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R4612,13	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2	
R4616,17	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	2	
R4618,19	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	2	
R4620,21	ERJ3RBD682	M.RESISTOR CH 1/16W 6.8K	2	
R4622-29	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	8	
R4630-33	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	4	
R4634,35	ERJ3RBD101	M.RESISTOR CH 1/16W 100	2	
R4636-39	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	4	
R4640,41	ERJ3RBD101	M.RESISTOR CH 1/16W 100	2	
R4642-45	ERJ14YJ220	M.RESISTOR CH 1/4W 22	4	
R4646-49	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	4	
R4650-53	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	4	
R4654-61	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	8	
R4690,91	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	2	
R4694,95	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	2	
R4696,97	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R4698,99	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	2	
R4700	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R4701	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R4702	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R4703	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R4704	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R4705	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R4706,07	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	2	
R4708,09	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2	
R4710,11	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R4712,13	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R4716,17	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R4718,19	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	2	
R4720,21	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	2	
R4722	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R4723	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	
R4724	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	
R4725	ERJ3RBD912	M.RESISTOR CH 1/16W 9.1K	1	
R4726	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R4727	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	
R4728	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	
R4729	ERJ3RBD912	M.RESISTOR CH 1/16W 9.1K	1	
R4730-33	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	4	
R4734	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R4735	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R4736	ERJ3RBD681	M.RESISTOR CH 1/16W 680	1	
R4737	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R4738	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R4739	ERJ3RBD681	M.RESISTOR CH 1/16W 680	1	
R4740,41	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R4742,43	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2	
R4746,47	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	2	
R4748,49	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	2	
R4750,51	ERJ3RBD682	M.RESISTOR CH 1/16W 6.8K	2	
R4752-59	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	8	
R4760-63	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	4	
R4764,65	ERJ3RBD101	M.RESISTOR CH 1/16W 100	2	
R4766-69	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	4	
R4770,71	ERJ3RBD101	M.RESISTOR CH 1/16W 100	2	
R4772-75	ERJ14YJ220	M.RESISTOR CH 1/4W 22	4	
R4776-79	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	4	
R4780-83	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	4	
R4784-91	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	8	
R4820,21	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	2	
R4822,23	ERJ3RBD302	M.RESISTOR CH 1/16W 3K	2	
R4824,25	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	2	
R4826	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R4828	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R4830,31	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	2	
R4832,33	ERJ3RBD301	M.RESISTOR CH 1/16W 300	2	
R4834-39	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	6	
R4840,41	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	2	
R4842	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R4843	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	
R4844	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	
R4845	ERJ3RBD912	M.RESISTOR CH 1/16W 9.1K	1	
R4846	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R4847	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	
R4848	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	
R4849	ERJ3RBD912	M.RESISTOR CH 1/16W 9.1K	1	
R4850	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R4851	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R4852	ERJ3RBD681	M.RESISTOR CH 1/16W 680	1	
R4853	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R4854	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R4855	ERJ3RBD681	M.RESISTOR CH 1/16W 680	1	
R4856,57	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R4858,59	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2	
R4862,63	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	2	
R4864,65	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	2	
R4866,67	ERJ3RBD393	M.RESISTOR CH 1/16W 39K	2	
R4868-75	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	8	
R4876-79	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	4	
R4880,81	ERJ3RBD101	M.RESISTOR CH 1/16W 100	2	
R4882-85	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	4	
R4886,87	ERJ3RBD101	M.RESISTOR CH 1/16W 100	2	
R4888-91	ERJ14YJ220	M.RESISTOR CH 1/4W 22	4	
R4892,93	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	2	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R4894,95	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	2	
R4896,97	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R4898,99	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	2	
R4900,01	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2	
R4902,03	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R4904,05	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2	
R4906	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R4907	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R4908	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R4909	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R4911-18	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	8	
R4950-53	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	4	
R4954	D1H810140001	COMBI.R-R 100	1	
R4958	D1H84734A008	COMBI.R-R 47K	1	
R4960,61	D1H84734A008	COMBI.R-R 47K	2	
R4965	D1H84734A008	COMBI.R-R 47K	1	
R4967-69	D1H84734A008	COMBI.R-R 47K	3	
R4971-74	D1H84734A008	COMBI.R-R 47K	4	
R4979	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5001	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R5002	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R5003	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R5004,05	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R5006	ERJ3GEYJ393	M.RESISTOR CH 1/16W 39K	1	
R5008	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	1	
R5010	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R5011	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R5012	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R5014	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R5015	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R5017	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R5018	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R5020	ERJ3RBD152	M.RESISTOR CH 1/16W 1.5K	1	
R5022	ERJ3RBD392	M.RESISTOR CH 1/16W 3.9K	1	
R5023	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R5024	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R5025	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R5026	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R5027	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	
R5028	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R5029	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R5030	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R5032	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R5033	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R5034	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R5035	ERJ3RBD823	M.RESISTOR CH 1/16W 82K	1	
R5037	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R5038	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	
R5039	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R5041	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R5043	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R5045,46	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R5047	ERJ3RBD183	M.RESISTOR CH 1/16W 18K	1	
R5049	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R5050,51	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R5052	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R5053,54	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R5055-57	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	D0GB103JA002
R5059	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R5060	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R5061,62	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R5067	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R5071	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R5075	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R5078	ERJ3RBD202	M.RESISTOR CH 1/16W 2K	1	
R5079	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	1	
R5080	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R5081	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R5082	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R5084	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	1	
R5085	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R5086	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R5088	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R5089	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R5090	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R5104	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R5201	D1H84704A008	COMBI.R-R 47	1	
R5202	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5203	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R5204	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R5205	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	1	
R5206	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	1	
R5207	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R5208	ERJ3GEYJ912	M.RESISTOR CH 1/16W 9.1K	1	
R5209	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5210	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R5211	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	
R5212	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R5213	ERJ3RBD683	M.RESISTOR CH 1/16W 68K	1	
R5215	ERJ6GEYG101	M.RESISTOR CH 1/10W 100	1	
R5216	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R5217	ERJ3RBD133	M.RESISTOR CH 1/16W 13K	1	
R5218	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R5219	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R5221,22	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	2	
R5226	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R5228,29	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R5231	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	
R5232	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R5236	D1H84704A008	COMBI.R-R 47	1	
R5237	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R5238	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R5239	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R5241	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R5242	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R5400	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5402,03	D0GZ220J0001	M.RESISTOR CH 22	2	
R5405	D1H810240001	COMBI.R-R 1K	1	
R5406	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R5407,08	D1H84734A008	COMBI.R-R 47K	2	
R5409	D0GZ103J0001	M.RESISTOR CH 10K	1	
SW4100,01	VSS0126	SWITCH	2	
SW4200,01	VSS0126	SWITCH	2	
TG4100	EYF6CU	TEST POINT	1	
TG4200	EYF6CU	TEST POINT	1	
TG4300	EYF6CU	TEST POINT	1	
TG5001	EYF6CU	TEST POINT	1	
TP4300-02	EYF6CU	TEST POINT	3	
TP4560,61	EYF6CU	TEST POINT	2	
TP4690,91	EYF6CU	TEST POINT	2	
TP4820,21	EYF6CU	TEST POINT	2	
TP5002	EYF6CU	TEST POINT	1	
TP5200	EYF6CU	TEST POINT	1	
VR4300-03	EVMEGSA00B53	V.RESISTOR 5K	4	
VR4450,51	EVMEGSA00B14	V.RESISTOR 10K	2	
VR4560,61	EVMEGSA00B14	V.RESISTOR 10K	2	
VR4690,91	EVMEGSA00B14	V.RESISTOR 10K	2	
VR5001	EVMEGSA00B24	V.RESISTOR 20K	1	
VR5003,04	EVMEGSA00B53	V.RESISTOR 5K	2	
VR5006	EVMEGSA00B24	V.RESISTOR 20K	1	
VR5007	EVMEGSA00B14	V.RESISTOR 10K	1	
VR5009	EVMEGSA00B14	V.RESISTOR 10K	1	
		MISCELLANEOUS		
	VML2143	CARD PULLER	1	
	VML2144	CARD PULLER	1	
■ E2	VEP84384A	F2B A PROC P.C.BOARD	1	(RTL)
C4055	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C4056	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C4060	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C4061-63	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C4064,65	EEVHB0J470	E.CAPACITOR 6.3V 47U	2	
C4066,67	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C4068	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C4100-02	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C4103	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C4150-52	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C4300,01	EEVHB0J470	E.CAPACITOR 6.3V 47U	2	
C4302,03	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C4305,06	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C4350-52	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C4400	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C4401-08	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	8	
C4500	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C4501-08	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	8	
C4550	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C4551-58	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	8	
C4600	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C4601	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C4602-05	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C4653,54	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C4655,56	ECUX1H182KBV	C.CAPACITOR CH 50V 1800P	2	
IC4052,53	C0CBAAB00021	IC	2	
IC4100	C0JBAZ001121	IC	1	
IC4101	C0JBAZ001137	IC	1	
IC4102	C0JBAZ001121	IC	1	
IC4150-52	C0JBAZ001003	IC	3	
IC4301	C0ZBZ0000363	IC	1	
IC4302	C0JBAZ001003	IC	1	
IC4350	C0JBAZ001003	IC	1	
IC4400	C1ZBZ0001836	IC	1	
IC4500	C1ZBZ0001836	IC	1	
IC4550,51	C3BBFC000270	IC	2	
IC4552	C1AB00001135	IC	1	
IC4553,54	C3BBFC000270	IC	2	
IC4601	UPD65949G076	IC	1	C1AB00000858
IC4602	C3BBFC000270	IC	1	
IC4651,52	C5AB00000006	IC	2	
ID4351	VVVSI3878A	SOFTWARE	1	
IP4351	C1ZBZ0001555	IC	1	
L4052	VLF1151A132	COIL	1	
L4301	VLQ0319K470	COIL 47UH	1	G1C470K00013
P4001	K1KA96B00032	CONNECTOR (MALE)	1	
P4350	K1KA08B00147	CONNECTOR (FEMALE)	1	
R4001	D1H810140001	COMBI.R-R 100	1	
R4100	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R4101,02	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R4103,04	D1H84734A008	COMBI.R-R 47K	2	
R4105,06	D0GZ220J0001	M.RESISTOR CH 22	2	
R4150-52	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	3	
R4153,54	D1H84704A008	COMBI.R-R 47	2	
R4155,56	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R4157	D1H84704A008	COMBI.R-R 47	1	
R4160-64	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	5	
R4301	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R4302	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R4303-08	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	6	
R4310	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R4315	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4350	D1H810240001	COMBI.R-R 1K	1	
R4351	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R4352	D0GZ103J0001	M.RESISTOR CH 10K	1	
R4400,01	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	2	F1H1H102A009
R4410,11	D1H84734A008	COMBI.R-R 47K	2	
R4412	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R4500,01	D1H84734A008	COMBI.R-R 47K	2	
R4502	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R4550	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R4551	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R4554	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4600	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
TG4001	EYF6CU	TEST POINT	1	
TP4409	EYF6CU	TEST POINT	1	
		MISCELLANEOUS		
	VML2143	CARD PULLER	1	
	VML2144	CARD PULLER	1	
■ E3	VEP83605A	F3A SDI P.C.BOARD	1	(RTL)
C3000,01	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3002	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3003	EEFCD0J470R	E.CAPACITOR 6.3V 47U	1	
C3004-06	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C3007	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3008	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3009	EEFCD0J470R	E.CAPACITOR 6.3V 47U	1	
C3100,01	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3103,04	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3107	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C3200	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C3201	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3202	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C3203	EEFCD0J470R	E.CAPACITOR 6.3V 47U	1	
C3204-06	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	3	
C3207	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C3208	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C3209	ECUX1H153KBV	C.CAPACITOR CH 50V 0.015U	1	
C3210	ECUX1H040CCV	C.CAPACITOR CH 50V 4P	1	
C3211	ECUX1H472KBV	C.CAPACITOR CH 50V 4700P	1	
C3212	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C3213,14	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C3215,16	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3217	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C3218	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3219	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	1	
C3220	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3221	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C3222	ECUX1H222KBV	C.CAPACITOR CH 50V 2200P	1	
C3223	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3224	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	1	F1J1C105A083
C3225	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C3226	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	1	F1J1C105A083
C3227	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C3228	ECUX1E223KBV	C.CAPACITOR CH 25V 0.023U	1	
C3330-38	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	9	
C3400-08	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	9	
C3410,11	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3412	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C3413-15	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C3416	EEFCD0J470R	E.CAPACITOR 6.3V 47U	1	
C3417	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	1	F1J1C105A083
C3418	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3419	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	1	F1J1C105A083
C3424-26	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C3427-29	EEVHB1C470P	E.CAPACITOR 16V 47U	3	
C3430	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	1	
C3500-05	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	6	
C3507-16	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	10	
C3518	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C3521	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3523	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3524	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C3525	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C3527	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3529	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C3530	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	1	F1J1C105A083
C3531	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3532	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	1	F1J1C105A083
C3533,34	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
D3201,02	MA3J14300L	DIODE	2	
IC3000	C0CBAAG00011	IC	1	
IC3102,03	C0JBAZ001121	IC	2	
IC3104,05	C0JBAZ001137	IC	2	
IC3200	LT1086CM	IC	1	C0CBAYG00001
IC3201	C1AB00001385	IC	1	
IC3203	GS9028-CKA	IC	1	C1AB00000365
IC3204	C1AB00001651	IC	1	
IC3300	C0JBAZ001728	IC	1	
IC3301	C1AB00001648	IC	1	
IC3400	C0JBAZ001728	IC	1	
IC3401	C1AB00001648	IC	1	
IC3402	C1AB00001386	IC	1	
IC3403	C0CBABE00013	IC	1	
IC3404	LT1086CM	IC	1	C0CBAYG00001
IC3405	C0JBAZ001121	IC	1	
IC3500,01	C0JBAZ001121	IC	2	
IC3502	C1ZBZ0001837	IC	1	
IC3505	UPD6456T611Y	IC	1	C1AB00000555
IC3507	C1AB00001386	IC	1	
IC3508	C0JBAZ001003	IC	1	
IC3509,10	C0JBAZ001121	IC	2	
ID3503	VVVSI3855	SOFRWARE	1	
IP3503	C3ZBH0000010	IC	1	
J3200,01	K1QZA1BA0001	CONNECTOR	2	
J3400,01	K1QZA1BA0001	CONNECTOR	2	
J3500	K1QZA1BA0001	CONNECTOR	1	
L3000,01	VLF1151A132	COIL	2	
L3200	VLQ0426J015	COIL 15UH	1	
L3201,02	VLQ0426J010	COIL 1UH	2	
L3400,01	VLQ0426J010	COIL 1UH	2	
L3500,01	VLQ0426J010	COIL 1UH	2	
P3000	K1KA96B00032	CONNECTOR (MALE)	1	
P3500	K1KA08B00147	CONNECTOR (FEMALE)	1	
R3100,01	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R3102-05	D1H84734A008	COMBI.R-R 47K	4	
R3106	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3200	ERJ3RED750	M.RESISTOR CH 1/16W 75	1	
R3201	ERJ3RED390	M.RESISTOR CH 1/16W 39	1	
R3202,03	ERJ3RED750	M.RESISTOR CH 1/16W 75	2	
R3204	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3205	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R3206,07	ERJ3GEYJ123	M.RESISTOR CH 1/16W 12K	2	
R3208	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3209	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	1	
R3210	ERJ6RBD121	M.RESISTOR CH 1/10W 120	1	
R3212	ERJ3EKF3650	M.RESISTOR CH 1/16W 3.6M	1	
R3213	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3214-17	ERJ3RED910	M.RESISTOR CH 1/16W 91	4	
R3218	ERJ6RED560	M.RESISTOR CH 1/10W 56	1	
R3219-22	ERJ6RED750	M.RESISTOR CH 1/10W 75	4	
R3223	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R3224	ERJ3RBD683	M.RESISTOR CH 1/16W 68K	1	
R3225	ERJ6RED750	M.RESISTOR CH 1/10W 75	1	
R3226-28	D1H810140001	COMBI.R-R 100	3	
R3229	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3230	ERJ6RBD361	M.RESISTOR CH 1/10W 360	1	
R3231	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	D0YDR0000005
R3331-33	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	3	
R3334	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3335	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R3336	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3337	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R3400	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3401-03	ERJ3GEYJ181	M.RESISTOR CH 1/16W 180	3	
R3404	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3405-08	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	4	
R3409	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3410	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R3411	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3413	ERJ3EKF3740	M.RESISTOR CH 1/16W 370K	1	
R3414	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3415	ERJ3RED510	M.RESISTOR CH 1/16W 51	1	
R3416-19	ERJ6RED750	M.RESISTOR CH 1/10W 75	4	
R3420	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3421,22	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	2	
R3423	ERJ3GEYJ181	M.RESISTOR CH 1/16W 180	1	
R3424	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3425	ERJ6RBD121	M.RESISTOR CH 1/10W 120	1	
R3426	ERJ6RBD361	M.RESISTOR CH 1/10W 360	1	
R3427	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	D0YDR0000005
R3428-30	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	3	
R3431,32	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	2	
R3500,01	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	2	
R3502-04	D1H810140001	COMBI.R-R 100	3	
R3505,06	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2	
R3508	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3509	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3510	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3511	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3512,13	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3514	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R3515	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3516-18	D1H810140001	COMBI.R-R 100	3	
R3519	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3520	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R3521	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3522-24	D1H810140001	COMBI.R-R 100	3	
R3526	ERJ3EKF3740	M.RESISTOR CH 1/16W 370K	1	
R3527	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R3528	ERJ3RED510	M.RESISTOR CH 1/16W 51	1	
R3529	D1H833040002	COMBI.R-R 33	1	
R3530,31	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	2	
R3533-37	ERJ6RED750	M.RESISTOR CH 1/10W 75	5	
R3538-41	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	4	D0GB103JA002
R3542	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3543	D1H84734A008	COMBI.R-R 47K	1	
R3545,46	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
TG3000	EYF6CU	TEST POINT	1	
TG3200	EYF6CU	TEST POINT	1	
TG3400	EYF6CU	TEST POINT	1	
		MISCELLANEOUS		
	VML2143	CARD PULLER	1	
	VML2144	CARD PULLER	1	
■ E4	VEP83596B	F4 REC PB P.C.BOARD	1	(RTL)
C3010	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3011	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3012	EEFCD0J470R	E.CAPACITOR 6.3V 47U	1	
C3013-17	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	5	
C3018	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3019	EEFCD0J470R	E.CAPACITOR 6.3V 47U	1	
C3020	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3021-25	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	5	
C3026,27	EEVHB1C100	E.CAPACITOR 16V 10U	2	
C3028-30	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C3031	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C3032-40	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	9	
C3041-44	EEVHB0J470	E.CAPACITOR 6.3V 47U	4	
C3045,46	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3047,48	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	2	
C3050	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3051,52	EEVHB1C100	E.CAPACITOR 16V 10U	2	
C3053-55	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C3056	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C3057	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3058,59	EEVHB1C100	E.CAPACITOR 16V 10U	2	
C3060	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3061-64	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C3065	EEVHP1E3R3	E.CAPACITOR 25V 3.3U	1	
C3066	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3067	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C3068	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3069,70	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3071	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3072	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3073	ECUX1C224KBN	C.CAPACITOR CH 16V 0.22U	1	
C3074	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	1	F1K1C105A026
C3075	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3076	ECUX1C224KBN	C.CAPACITOR CH 16V 0.22U	1	
C3077	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C3079	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C3080-92	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	13	
C3150	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C3151-70	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	20	
C3171	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3172	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3173	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3174	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3180	ECUX1H180JCV	C.CAPACITOR CH 50V 18P	1	
C3181	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C3182	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	1	F1J1C105A083
C3183	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C3184-87	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C3200-07	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	8	
C3210-17	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	8	
C3218	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C3219	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3240	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3241	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C3242-44	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C3260-74	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	15	
C3275	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C3276	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3277	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3278	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3279	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3280,81	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3290-93	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C3300-03	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C3304	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C3305	ECUX1H050CCV	C.CAPACITOR CH 50V 5P	1	
C3307	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3308	ECUX1H050CCV	C.CAPACITOR CH 50V 5P	1	
C3309-24	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	16	
C3325	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3326	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3350-62	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	13	
C3363	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C3364-68	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	5	
C3380-85	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	6	
C3450-57	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	8	
C3458	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C3460-71	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	12	
C3472	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3473-75	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C3500	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C3501-12	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	12	
C3550-53	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C3554	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3555,56	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3557	ECUX1H180JCV	C.CAPACITOR CH 50V 18P	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C3558	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C3559-61	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C3562	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C3600-07	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	8	
C3611	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C3612-15	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C3640	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3641	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C3642-44	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C3670-72	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C3673-75	EEVHB1C470P	E.CAPACITOR 16V 47U	3	
C3676	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C3677	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3678	EEVHP1E3R3	E.CAPACITOR 25V 3.3U	1	
C3679	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C3680-82	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C3700-02	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C3703,04	EEVHB1C470P	E.CAPACITOR 16V 47U	2	
C3705,06	ECUX1H050CCV	C.CAPACITOR CH 50V 5P	2	
C3707	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C3708,09	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	2	
C3710,11	ECUX1H020CCV	C.CAPACITOR CH 50V 2P	2	
C3712	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3713	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C3714	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C3715	ECUX1H680JCV	C.CAPACITOR CH 50V 68P	1	
C3716	EEVHB1C100	E.CAPACITOR 16V 10U	1	
C3717	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C3718	ECUX1H020CCV	C.CAPACITOR CH 50V 2P	1	
C3719,20	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3721	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C3722	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3723	ECUX1H680JCV	C.CAPACITOR CH 50V 68P	1	
C3724,25	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3750	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3752-54	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C3770-74	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	5	
C3801-03	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C3808-11	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C3812	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C3841	ECUX1H120JCV	C.CAPACITOR CH 50V 12P	1	
C3842	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3843	ECUX1H120JCV	C.CAPACITOR CH 50V 12P	1	
C3845	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	
C3846	ECUX1H221JCV	C.CAPACITOR CH 50V 220P	1	
C3847-56	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	10	
C3857	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C3858,59	ECUX1E273KBV	C.CAPACITOR CH 25V 0.027U	2	
C3860	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3951-59	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	9	
D3010	MA3X71600L	DIODE	1	
D3051,52	MA3J14300L	DIODE	2	
D3670	MA3J14300L	DIODE	1	
D3700	MA3J14300L	DIODE	1	
FL3700	VLF1462	FILTER	1	
IC3010	LT1086CM	IC	1	C0CBAYG00001
IC3011	C0CBAAB00021	IC	1	
IC3012	NJM78L09UA	IC	1	C0CBAHC00002
IC3013	C0JBAZ001121	IC	1	
IC3014	C0JBAZ001003	IC	1	
IC3015	NJM79L09UA	IC	1	C0CABBF00001
IC3018	XC62FP3202P	IC	1	
IC3019	C0CBADC00063	IC	1	
IC3020	C0CBBDB00004	IC	1	
IC3050	C0JBAZ001437	IC	1	
IC3051,52	C0ABEB000023	IC	2	
IC3053	TLC2933IPW	IC	1	C0ABFA000012
IC3054	C0JBAF000224	IC	1	
IC3055	BH7086KV	IC	1	C1ZBZ0001649
IC3056	C0JBAB000422	IC	1	
IC3057	C0JBAB000350	IC	1	
IC3058	C0JBAB000422	IC	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
IC3059	C0JBAB000350	IC	1	
IC3060	TLCX257FT	IC	1	
IC3061	C0JBAZ001728	IC	1	
IC3062	C0JBAZ000851	IC	1	
IC3063	TLCX257FT	IC	1	
IC3064-66	C0JBAZ001728	IC	3	
IC3150	C0JBAZ001121	IC	1	
IC3151	C1ZBZ0001836	IC	1	
IC3152	MS51V8221-3G	IC	1	
IC3153	C0JBAF000315	IC	1	
IC3154	C0JBAZ001121	IC	1	
IC3180	L7A1644	IC	1	C1AA00000231
IC3200,01	MN47V07AF	IC	2	
IC3210	MN673797A	IC	1	
IC3211	C0JBAZ001121	IC	1	
IC3240	T220E7202AF1	IC	1	
IC3260	C1ZBZ0001836	IC	1	
IC3261	C0JBAE000238	IC	1	
IC3290-93	MS51V8221-3G	IC	4	
IC3300	MN7F008B4C	IC	1	
IC3301	C3ABQG000041	IC	1	
IC3302	C0JBAB000397	IC	1	
IC3303,04	C0JBAZ000851	IC	2	
IC3350	C1ZBZ0001836	IC	1	
IC3351	DS90LV047A	IC	1	C0ZBZ0000279
IC3352	C0JBAZ001121	IC	1	
IC3380,81	DS90LV048A	IC	2	C0ZBZ0000280
IC3382-85	C0JBAZ000851	IC	4	
IC3450	MN7F008B4C	IC	1	
IC3451,52	C3ABQG000041	IC	2	
IC3500	TLCX257FT	IC	1	
IC3501	MN673797A	IC	1	
IC3502	C0JBAR000368	IC	1	
IC3503,04	C0JBAZ001121	IC	2	
IC3550	L7A1644	IC	1	C1AA00000231
IC3551-54	C0JBAZ001728	IC	4	
IC3600,01	MN47V07AF	IC	2	
IC3610	UPD65943G028	IC	1	
IC3640	T220E7202AF1	IC	1	
IC3670	C0JBAZ001437	IC	1	
IC3674	C0ABEB000023	IC	1	
IC3676	TC7W241FU	IC	1	
IC3704	TC4W53FU	IC	1	
IC3705	LT1228CS8	IC	1	
IC3706	C0FBAD000002	IC	1	
IC3750,51	MS51V8221-3G	IC	2	
IC3752,53	C0JBAF000414	IC	2	
IC3770-74	C0JBAZ001121	IC	5	
IC3801,02	C0JBAZ001121	IC	2	
IC3803	C0JBAZ001137	IC	1	
IC3842	TC7W241FU	IC	1	
IC3951	C0JBAZ001137	IC	1	
IC3952,53	C0JBAA000174	IC	2	
IC3955	TC7W241FU	IC	1	
IC3956	C0JBAZ001003	IC	1	
IC3959	C0JBAB000350	IC	1	
ID0	VVVSI3926	SOFTWARE	1	
ID3841	VVVSI3927D	SOFTWARE	1	
IP3016,17	C1ZBZ0001555	IC	2	
IP3841	C2GBC0000084	MICRO CONTROLLER	1	
L3010,11	VLF1151A132	COIL	2	
L3050-56	VLQ0319K470	COIL 47UH	7	G1C470K00013
L3150,51	VLQ0319K470	COIL 47UH	2	G1C470K00013
L3260,61	VLQ0319K470	COIL 47UH	2	G1C470K00013
L3300	VLQ0319K470	COIL 47UH	1	G1C470K00013
L3450	VLQ0319K470	COIL 47UH	1	G1C470K00013
L3550	VLQ0319K470	COIL 47UH	1	G1C470K00013
L3670-72	VLQ0319K470	COIL 47UH	3	G1C470K00013
L3700-03	VLQ0319K470	COIL 47UH	4	G1C470K00013
L3704,05	VLQ0163J390	COIL 39UH	2	
L3706,07	VLQ0163J150	COIL 15UH	2	
L3708	VLQ0319K470	COIL 47UH	1	G1C470K00013

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
L3841	VLQ0319K470	COIL 47UH	1	G1C470K00013
P3001,02	K1KA96B00032	CONNECTOR (MALE)	2	
P3010	K1KA08B00147	CONNECTOR (FEMALE)	1	
P3841	K1KA10A00303	CONNECTOR (MALE)	1	
P3951	VJS3791B020	CONNECTOR (FEMALE)	1	
Q3700	2SB0709ALL	TRANSISTOR	1	
Q3701	2SA1532-B	TRANSISTOR	1	
Q3702	2SB0709ALL	TRANSISTOR	1	
R3011	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3012	D1H810240001	COMBI.R-R 1K	1	
R3013,14	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3015	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3016,17	D1H810240001	COMBI.R-R 1K	2	
R3018,19	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3020	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3021	D0GZ103J0001	M.RESISTOR CH 10K	1	
R3022	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3024-26	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R3028	D1H810240001	COMBI.R-R 1K	1	
R3029,30	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R3031	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3034	ERJ3RBD101	M.RESISTOR CH 1/16W 100	1	
R3035	ERJ3RED470	M.RESISTOR CH 1/16W 47	1	
R3050	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3052,53	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	2	
R3054	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	1	
R3055	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R3056,57	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	2	
R3058	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
R3060	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3061	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R3062,63	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	2	
R3064	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3066	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R3067	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R3068	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R3069	ERJ3GEYJ183	M.RESISTOR CH 1/16W 18K	1	
R3070,71	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R3072	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R3073	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R3075	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3076	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3077	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3078	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3079	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3080	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R3081	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R3082	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3086,87	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	2	
R3088	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3089	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3090	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3091-93	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	3	
R3094-96	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	3	
R3099-10	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	12	
R3111	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3112	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3113,14	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R3116	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R3150	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R3151	D1H84734A008	COMBI.R-R 47K	1	
R3152	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3153	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3154	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3155,56	D1H84734A008	COMBI.R-R 47K	2	
R3157	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3158,59	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R3160	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3161	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3162	D1H84734A008	COMBI.R-R 47K	1	
R3163,64	D1H84704A008	COMBI.R-R 47	2	
R3166	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R3168	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3169	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3180	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R3181	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3182,83	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R3184	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3185	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3186,87	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3188,89	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R3190	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3210	D1H84734A008	COMBI.R-R 47K	1	
R3212	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3213	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3215,16	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	2	
R3217,18	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3219-24	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	6	D0GB103JA002
R3225,26	D1H810140001	COMBI.R-R 100	2	
R3227,28	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R3229,30	D1H810240001	COMBI.R-R 1K	2	
R3240-44	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	5	
R3245	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3246-48	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R3260	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3261	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3262	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3263	D1H810240001	COMBI.R-R 1K	1	
R3264	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3265	D1H810240001	COMBI.R-R 1K	1	
R3266-68	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R3270	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3290-93	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	4	
R3300,01	D1H810240001	COMBI.R-R 1K	2	
R3302	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3303	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3304	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R3305	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3307	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3308	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R3310,11	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3312	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3313-15	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	3	
R3316,17	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3319-21	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	3	
R3323	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3350-55	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	6	
R3356	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3357-60	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	4	
R3361	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3362-67	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	6	
R3368	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3370-72	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R3373	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3374,75	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3385-92	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	8	
R3393,94	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R3395-02	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	8	
R3403,04	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R3409-12	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	4	
R3452-55	D0GZ103J0001	M.RESISTOR CH 10K	4	
R3456	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3457	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3458	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R3459	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3460	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3461-64	ERJ3GEYJ203	M.RESISTOR CH 1/16W 20K	4	
R3465-67	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	D0GB103JA002
R3468	ERJ3GEYJ203	M.RESISTOR CH 1/16W 20K	1	
R3469,70	D1H810240001	COMBI.R-R 1K	2	
R3471-74	ERJ3GEYJ203	M.RESISTOR CH 1/16W 20K	4	
R3475-77	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	D0GB103JA002
R3478-82	ERJ3GEYJ203	M.RESISTOR CH 1/16W 20K	5	
R3483-85	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	D0GB103JA002
R3486	ERJ3GEYJ203	M.RESISTOR CH 1/16W 20K	1	
R3500	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3501	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R3502-05	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	4	D0GB103JA002
R3506	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3507,08	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	2	
R3509,10	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R3511,12	D1H810140001	COMBI.R-R 100	2	
R3513	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3514,15	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R3516	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3517,18	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R3519,20	D1H84704A008	COMBI.R-R 47	2	
R3521	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3523	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3550	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R3551,52	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R3553	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3554	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3556,57	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3558,59	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	2	
R3560	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3561	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3562-65	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	4	
R3566-84	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	19	
R3610	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3611	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3613	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R3614	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3641-43	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R3645-47	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R3648	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3649,50	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3652,53	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3670	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R3671	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R3672,73	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	2	
R3674	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R3675	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R3676	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3677	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3678	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3700	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3701,02	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	2	
R3705,06	ERJ3RBD681	M.RESISTOR CH 1/16W 680	2	
R3707	ERJ3RBD391	M.RESISTOR CH 1/16W 390	1	
R3708	ERJ3RBD361	M.RESISTOR CH 1/16W 360	1	
R3709	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3710	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3711	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R3712	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3713	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R3714	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R3715	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3716,17	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	2	
R3718	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3719	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3720	ERJ3RBD271	M.RESISTOR CH 1/16W 270	1	
R3721	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R3722	ERJ3GEYJ124	M.RESISTOR CH 1/16W 120K	1	
R3724	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R3728	ERJ3RBD392	M.RESISTOR CH 1/16W 3.9K	1	
R3729	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R3730	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3750,51	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R3752,53	D1H84704A008	COMBI.R-R 47	2	
R3754	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3755	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R3770,71	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3772	D1H810240001	COMBI.R-R 100	1	
R3775-78	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	4	
R3779-85	D1H84704A008	COMBI.R-R 47	7	
R3786	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3787-89	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	3	
R3790,91	D1H84734A008	COMBI.R-R 47K	2	
R3792	D1H810240001	COMBI.R-R 100	1	
R3793	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R3796	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R3802	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3803,04	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R3805	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3809,10	D1H84734A008	COMBI.R-R 47K	2	
R3815,16	D0GZ220J0001	M.RESISTOR CH 22	2	
R3841	D1H810240001	COMBI.R-R 1K	1	
R3842	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3843	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R3844	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3845	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R3846	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3847,48	D0GZ220J0001	M.RESISTOR CH 22	2	
R3849	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3850	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3851	D1H810240001	COMBI.R-R 1K	1	
R3852,53	D1H84734A008	COMBI.R-R 47K	2	
R3854	D0GZ103J0001	M.RESISTOR CH 10K	1	
R3855	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3856	D0GZ220J0001	M.RESISTOR CH 22	1	
R3857	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3858	D1H833040002	COMBI.R-R 33	1	
R3861,62	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3863	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R3866	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3868	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3869	D0GZ220J0001	M.RESISTOR CH 22	1	
R3870	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3871	D1H833040002	COMBI.R-R 33	1	
R3873,74	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2	
R3875-78	ERJ3GEYJ203	M.RESISTOR CH 1/16W 20K	4	
R3879	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3880-82	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	D0GB103JA002
R3883	ERJ3GEYJ203	M.RESISTOR CH 1/16W 20K	1	
R3884-91	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	8	
R3892-95	D0GZ220J0001	M.RESISTOR CH 22	4	
R3951,52	D1H847240002	COMBI.R-R 4.7K	2	
R3953	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R3954	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3955	D1H84704A008	COMBI.R-R 47	1	
R3956	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3957	D1H810240001	COMBI.R-R 1K	1	
R3958,59	D1H847240002	COMBI.R-R 4.7K	2	
R3960	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R3961	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3962	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3963,64	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R3965	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3966	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R3967	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3968,69	D1H84704A008	COMBI.R-R 47	2	
TG3020-25	EYF6CU	TEST POINT	6	
TP3150	EYF6CU	TEST POINT	1	
TP3180	EYF6CU	TEST POINT	1	
TP3211,12	EYF6CU	TEST POINT	2	
TP3266	EYF6CU	TEST POINT	1	
TP3323	EYF6CU	TEST POINT	1	
TP3455-59	EYF6CU	TEST POINT	5	
TP3511,12	EYF6CU	TEST POINT	2	
TP3550	EYF6CU	TEST POINT	1	
TP3700	EYF6CU	TEST POINT	1	
TP3880,81	EYF6CU	TEST POINT	2	
TP3886	EYF6CU	TEST POINT	1	
VR3700	VRV0113B501	V.RESISTOR 500	1	
VR3701	VRV0113B102	V.RESISTOR 1K	1	D3EC41020001
X3050	VSX0788	CRYSTAL OSCILLATOR	1	H1C2705B0006
X3300	VSX0919	CRYSTAL OSCILLATOR	1	H0J417500001
X3670	VSX0975	CRYSTAL OSCILLATOR	1	H1C2295B0001
X3841	H0J921400004	CRYSTAL OSCILLATOR	1	
		MISCELLANEOUS		

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
	VML2143	CARD PULLER	1	
	VML2144	CARD PULLER	1	
■ E5	VEP83597B	F5 V OUT P.C.BOARD	1	(RTL)
C3001,02	EEVHB0J101	E.CAPACITOR 6.3V 100U	2	
C3003,04	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3010	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3011	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C3012-21	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	10	
C3050	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C3051	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3052	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3053-64	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	12	
C3065	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	1	
C3070-73	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C3080-84	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	5	
C3090-96	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	7	
C3100	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3101	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C3102-08	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	7	
C3150	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3151	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3152,53	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3154	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C3155-72	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	18	
C3173	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	1	
C3200	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3201	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3202	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C3203,04	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3208,09	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	2	
C3210-12	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C3214,15	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3216,17	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	2	F1K1C105A026
C3218-20	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C3221	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	
C3222,23	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3224	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3225,26	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3227	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3228,29	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3230	ECUX1H680JCV	C.CAPACITOR CH 50V 68P	1	
C3231-35	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	5	
C3236,37	ECJ1VC1H560J	C.CAPACITOR CH 50V 560P	2	
C3238-43	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	6	
C3244	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C3245	ECUX1H220JCV	C.CAPACITOR CH 50V 22P	1	
C3246-49	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C3250	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3251-53	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	3	
C3300-07	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	8	
C3308-11	EEVHB0J470	E.CAPACITOR 6.3V 47U	4	
C3312,13	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3314,15	ECUX1H390JCV	C.CAPACITOR CH 50V 39P	2	
C3316,17	ECUX1H270JCV	C.CAPACITOR CH 50V 27P	2	
C3321	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	1	
C3323	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	1	
C3325	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	1	
C3326-41	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	16	
C3342-44	ECJ1VC1H181J	C.CAPACITOR CH 50V 180P	3	
C3345-47	ECUX1H270JCV	C.CAPACITOR CH 50V 27P	3	
C3359,60	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	2	
C3400-03	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C3404,05	EEVHB0J470	E.CAPACITOR 6.3V 47U	2	
C3406-11	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	6	
C3412	ECUX1H680JCV	C.CAPACITOR CH 50V 68P	1	
C3413-18	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	6	
C3419	ECUX1H100DCV	C.CAPACITOR CH 50V 10P	1	
C3420	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C3421	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C3422,23	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3424	ECUX1H270JCV	C.CAPACITOR CH 50V 27P	1	
C3425	ECUX1H220JCV	C.CAPACITOR CH 50V 22P	1	
C3426,27	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3429	ECUX1H270JCV	C.CAPACITOR CH 50V 27P	1	
C3430,31	EEVHB0J470	E.CAPACITOR 6.3V 47U	2	
C3432	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C3433	ECUX1H220JCV	C.CAPACITOR CH 50V 22P	1	
C3434-43	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	10	
C3444	ECJ1VC1H560J	C.CAPACITOR CH 50V 560P	1	
C3445-48	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C3449-52	EEVHB0J470	E.CAPACITOR 6.3V 47U	4	
C3455,56	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3458	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C3459-61	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C3463	ECUX1H100DCV	C.CAPACITOR CH 50V 10P	1	
C3464	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3466	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3467	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C3468	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3469,70	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	2	
C3500-07	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	8	
C3508-11	EEVHB0J470	E.CAPACITOR 6.3V 47U	4	
C3512,13	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	2	
C3514	ECUX1H390JCV	C.CAPACITOR CH 50V 39P	1	
C3515	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C3516	ECUX1H070DCV	C.CAPACITOR CH 50V 7P	1	
C3517-19	ECUX1H220JCV	C.CAPACITOR CH 50V 22P	3	
C3520,21	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	2	
C3522,23	ECUX1H220JCV	C.CAPACITOR CH 50V 22P	2	
C3524-37	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	14	
C3538-40	ECJ1VC1H181J	C.CAPACITOR CH 50V 180P	3	
C3541-43	ECUX1H270JCV	C.CAPACITOR CH 50V 27P	3	
C3544,45	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	2	
C3600	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3601,02	EEVHB1C470P	E.CAPACITOR 16V 47U	2	
C3603	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C3604	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3605	ECUX1H180JCV	C.CAPACITOR CH 50V 18P	1	
C3606,07	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	2	
C3608	ECUX1H680JCV	C.CAPACITOR CH 50V 68P	1	
C3609	ECJ1VC1H181J	C.CAPACITOR CH 50V 180P	1	
C3610,11	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C3612	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C3613	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C3614	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3615	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	1	
C3617	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3618	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3619-22	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C3623	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3624	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3625	ECUX1H390JCV	C.CAPACITOR CH 50V 39P	1	
C3627-29	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C3630,31	ECUX1H100DCV	C.CAPACITOR CH 50V 10P	2	
C3633	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	1	
C3700,01	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3702	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C3703,04	EEVHB0J470	E.CAPACITOR 6.3V 47U	2	
C3705-07	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C3708	ECUX1H820JCV	C.CAPACITOR CH 50V 82P	1	
C3709-11	EEVHB0J470	E.CAPACITOR 6.3V 47U	3	
C3712,13	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3714,15	EEVHB0J470	E.CAPACITOR 6.3V 47U	2	
C3716-18	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C3719	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C3720-23	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C3724	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	
C3725	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	1	F1K1C105A026
C3726,27	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3729	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3731	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C3732	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3733	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	1	F1K1C105A026

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C3735	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3736	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	
C3737	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3739	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C3741	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C3742	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3744	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C3745	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3747	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3749	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3752,53	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	2	
C3800	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C3801-06	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	6	
C3900-06	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	7	
C3907	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3908	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	1	
D3300-02	MA3068-M	DIODE	3	
D3500-02	MA3068-M	DIODE	3	
D3600	MA142WK	DIODE	1	
D3601	MA3X71600L	DIODE	1	
D3701	MA142K	DIODE	1	
D3703	MA335-R	DIODE	1	
D3704	MA142K	DIODE	1	
FL3200,01	VLF1476	FILTER	2	J0E3504B0004
FL3202	VLF1354	FILTER	1	
FL3400,01	VLF1354	FILTER	2	
IC3010	C0JBAZ001003	IC	1	
IC3011,12	C0JBAZ001121	IC	2	
IC3013	C0JBAZ001137	IC	1	
IC3015	74LCX240MTCX	IC	1	C0JBAZ001775
IC3016	C0JBAZ001121	IC	1	
IC3017	MS51V8221-3G	IC	1	
IC3018	C0JBAE000238	IC	1	
IC3050	C0CBAAB00021	IC	1	
IC3051	74LCX240MTCX	IC	1	C0JBAZ001775
IC3052	C1ZBZ0001836	IC	1	
IC3070	T160G70-1601	IC	1	
IC3080-83	MS51V8221-3G	IC	4	
IC3084	C0JBAZ001102	IC	1	
IC3090	MB87D132	IC	1	C1ZBZ0001516
IC3091-93	C0JBAZ001121	IC	3	
IC3100	UPD65944G020	IC	1	
IC3150	C0CBAAB00021	IC	1	
IC3151,52	C0JBAZ001121	IC	2	
IC3153	C1ZBZ0002123	IC	1	
IC3154	AK6440AF	IC	1	
IC3200	C0CBADD00003	IC	1	
IC3201	C0ZBZ0000504	IC	1	
IC3202	M62370GP	IC	1	C0FBBD000082
IC3203	C0CBADD00003	IC	1	
IC3204	C0ABEB000023	IC	1	
IC3205	C0CBBDB00004	IC	1	
IC3206,07	C0ZBZ0000569	IC	2	
IC3208	NJM2534V	IC	1	
IC3209	C0CBADD00003	IC	1	
IC3300	C0CBADD00003	IC	1	
IC3301	C0CBBDB00004	IC	1	
IC3302	C0CBADD00003	IC	1	
IC3303	C0CBBDB00004	IC	1	
IC3304,05	C0ABGB000013	IC	2	
IC3306	C0ZBZ0000569	IC	1	
IC3307	C0ABGB000013	IC	1	
IC3308-12	C0ZBZ0000569	IC	5	
IC3400	C0CBADD00003	IC	1	
IC3401	C0CBBDB00004	IC	1	
IC3402,03	C0ABEB000023	IC	2	
IC3404	C0CBADD00003	IC	1	
IC3405	C0CBBDB00004	IC	1	
IC3406	C0ZBZ0000569	IC	1	
IC3407	NJM2534V	IC	1	
IC3408	C0ABGB000013	IC	1	
IC3409	C0ZBZ0000569	IC	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
IC3410	C0CBADD00003	IC	1	
IC3411	C0CBBDB00004	IC	1	
IC3412	C0CBADD00003	IC	1	
IC3413	C0CBBDB00004	IC	1	
IC3414	C0ZBZ0000569	IC	1	
IC3415	C0ABGB000013	IC	1	
IC3416	C0ZBZ0000569	IC	1	
IC3417	C0ABGB000013	IC	1	
IC3500	C0CBADD00003	IC	1	
IC3501	C0CBBDB00004	IC	1	
IC3502	C0CBADD00003	IC	1	
IC3503	C0CBBDB00004	IC	1	
IC3504,05	C0JBAA000175	IC	2	
IC3506-08	NJM2534V	IC	3	
IC3600	AN91A12S	IC	1	
IC3601	NJM78L09UA	IC	1	C0CBAHC00002
IC3603	C0CBBDB00004	IC	1	
IC3605	C0CBADD00003	IC	1	
IC3606	NJM360M	IC	1	C0BBZB000001
IC3607	C0JBAC000242	IC	1	
IC3608	SN74LS221NS	IC	1	
IC3609	C0JBAB000541	IC	1	
IC3700	C0CBADD00003	IC	1	
IC3701	C0CBBDB00004	IC	1	
IC3702	C0JBAS000075	IC	1	
IC3704	C0JBAZ001591	IC	1	
IC3705-07	C0ABEB000023	IC	3	
IC3710	NJM360M	IC	1	C0BBZB000001
IC3800,01	C0JBAZ001437	IC	2	
IC3802	UPD65650J203	IC	1	C1ZBZ0001380
IC3900-02	C0JBAZ001121	IC	3	
IC3903,04	74LCX240MTCX	IC	2	C0JBAZ001775
IC3905	AN77L03M	IC	1	
ID3880	VVVSI3928	SOFTWARE	1	
IP3010	C1ZBZ0001555	IC	1	
IP3018	C1ZBZ0001555	IC	1	
L3001,02	VLF1151A132	COIL	2	
L3300,01	VLQ0163J560	COIL 56UH	2	
L3302	VLQ0163J120	COIL 12UH	1	G1C120J00001
L3400	VLQ0163J120	COIL 12UH	1	G1C120J00001
L3500	VLQ0163J180	COIL 18UH	1	G1C180J00001
L3600	VLQ0163J101	COIL 100UH	1	
L3601	G1C221J00003	COIL 220UH	1	
L3602	VLQ0163J680	COIL 68UH	1	
L3700	VLQ0163J470	COIL 47UH	1	
L3701	G1C221J00003	COIL 220UH	1	
L3702-05	VLQ0163J470	COIL 47UH	4	
P3001,02	K1KA96B00032	CONNECTOR (MALE)	2	
P3010	K1KA08B00147	CONNECTOR (FEMALE)	1	
Q3200-02	2SB709A	TRANSISTOR	3	
Q3203-06	2SD601A	TRANSISTOR	4	
Q3207-09	2SB709A	TRANSISTOR	3	
Q3210-14	2SD601A	TRANSISTOR	5	
Q3215	2SA1532-B	TRANSISTOR	1	
Q3216	2SB709A	TRANSISTOR	1	
Q3300-02	2SB709A	TRANSISTOR	3	
Q3303-08	2SD601A	TRANSISTOR	6	
Q3400-02	2SB709A	TRANSISTOR	3	
Q3403,04	2SD601A	TRANSISTOR	2	
Q3405,06	2SB709A	TRANSISTOR	2	
Q3407,08	2SD601A	TRANSISTOR	2	
Q3409	2SB709A	TRANSISTOR	1	
Q3410	2SA1532-B	TRANSISTOR	1	
Q3411,12	2SD601A	TRANSISTOR	2	
Q3413	2SB709A	TRANSISTOR	1	
Q3414	2SA1532-B	TRANSISTOR	1	
Q3415,16	2SB709A	TRANSISTOR	2	
Q3417	2SD601A	TRANSISTOR	1	
Q3500-04	2SA1532-B	TRANSISTOR	5	
Q3505-10	2SB709A	TRANSISTOR	6	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
Q3511-16	2SD601A	TRANSISTOR	6	
Q3700	2SB709A	TRANSISTOR	1	
Q3702	2SK608	TRANSISTOR	1	
Q3704	2SK608	TRANSISTOR	1	
QR3200	UNR521300L	TRANSISTOR	1	
R3001	D1H810240001	COMBI.R-R 1K	1	
R3010	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3011,12	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R3013	D1H810240001	COMBI.R-R 1K	1	
R3014	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3015,16	D1H84734A008	COMBI.R-R 47K	2	
R3017	D0GZ103J0001	M.RESISTOR CH 10K	1	
R3020-22	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	3	
R3025	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3030	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3031	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3033,34	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R3036	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3050	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3051	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3055	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3070	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R3080	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3081,82	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3085-88	D1H84734A008	COMBI.R-R 47K	4	
R3090	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3091	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3093	D1H810240001	COMBI.R-R 1K	1	
R3106	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3150,51	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R3152	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3153	D1H84734A008	COMBI.R-R 47K	1	
R3200	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3201-03	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	D0GB103JA002
R3204-06	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	3	
R3207,08	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R3209,10	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2	
R3213,14	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	2	
R3215	ERJ3RBD301	M.RESISTOR CH 1/16W 300	1	
R3216,17	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R3218,19	ERJ3RBD301	M.RESISTOR CH 1/16W 300	2	
R3220	ERJ3RBD362	M.RESISTOR CH 1/16W 3.6K	1	
R3221	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3222	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3223	ERJ3RBD301	M.RESISTOR CH 1/16W 300	1	
R3224,25	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R3226	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3227,28	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R3229,30	ERJ3RBD301	M.RESISTOR CH 1/16W 300	2	
R3231	ERJ3GEYJ123	M.RESISTOR CH 1/16W 12K	1	
R3232	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R3233	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R3234	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	1	
R3235	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R3236	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3237	ERJ3GEYJ151	M.RESISTOR CH 1/16W 150	1	
R3238	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R3239	ERJ3GEYJ680	M.RESISTOR CH 1/16W 68	1	
R3240-44	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	5	
R3245	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R3246,47	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3248	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3249	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R3250	ERJ3GEYJ123	M.RESISTOR CH 1/16W 12K	1	
R3251,52	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	2	
R3253	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R3254	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R3255	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R3256	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R3257	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R3258	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R3259	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3260,61	ERJ3GEYJ121	M.RESISTOR CH 1/16W 120	2	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R3262	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R3263	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3264,65	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	2	
R3266	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3267	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3268	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3300,01	ERJ3GEYJ391	M.RESISTOR CH 1/16W 390	2	
R3304	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3305	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	
R3306-08	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	3	
R3309-11	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	3	
R3312-14	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R3318-20	ERJ3GEYJ151	M.RESISTOR CH 1/16W 150	3	
R3321	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R3322	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3323	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3324,25	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	2	
R3326,27	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R3328,29	ERJ6GEYG121	M.RESISTOR CH 1/10W 120	2	D0GD121JA003
R3330,31	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	2	
R3332-35	ERJ6GEYG121	M.RESISTOR CH 1/10W 120	4	D0GD121JA003
R3336	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3337	ERJ6RED750	M.RESISTOR CH 1/10W 75	1	
R3338	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3339	ERJ6RED750	M.RESISTOR CH 1/10W 75	1	
R3340	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3341	ERJ6RED750	M.RESISTOR CH 1/10W 75	1	
R3342	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R3343,44	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	2	
R3400,01	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R3402	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3403	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R3404	ERJ3GEYJ123	M.RESISTOR CH 1/16W 12K	1	
R3405	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R3406	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R3407,08	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R3409	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	1	
R3410	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3411	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3412	ERJ3GEYJ151	M.RESISTOR CH 1/16W 150	1	
R3413	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R3414	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3415	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3416,17	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R3418	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R3419	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3420	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3421	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R3422	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R3423,24	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R3425	ERJ3GEYJ680	M.RESISTOR CH 1/16W 68	1	
R3426,27	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R3428	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R3429	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3430	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R3431	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R3432	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3433	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3434	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3435	ERJ3GEYJ680	M.RESISTOR CH 1/16W 68	1	
R3436	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R3437	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R3438	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3439	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3441	ERJ3RED680	M.RESISTOR CH 1/16W 68	1	
R3442	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R3443	ERJ3RBD821	M.RESISTOR CH 1/16W 820	1	
R3444	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R3446	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R3447	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3448	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R3449	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R3450	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3451	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3452	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R3453,54	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R3456	ERJ3GEYJ151	M.RESISTOR CH 1/16W 150	1	
R3457,58	ERJ3RBD152	M.RESISTOR CH 1/16W 1.5K	2	
R3461-63	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	3	
R3464	ERJ3RBD152	M.RESISTOR CH 1/16W 1.5K	1	
R3466	ERJ3RBD152	M.RESISTOR CH 1/16W 1.5K	1	
R3467	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3468	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3469	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R3471	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R3500	ERJ3GEYJ750	M.RESISTOR CH 1/16W 75	1	
R3502	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	1	
R3503-05	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	3	
R3506,07	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R3508,09	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	2	
R3510	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R3511	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R3512	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	
R3513	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R3514,15	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	2	
R3516	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R3518,19	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R3520,21	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	2	
R3522	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3523-25	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	3	
R3526	ERJ3GEYJ151	M.RESISTOR CH 1/16W 150	1	
R3527,28	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R3529-31	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	3	
R3532-34	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	3	
R3535-37	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	3	
R3538-43	ERJ6GEYG121	M.RESISTOR CH 1/10W 120	6	D0GD121JA003
R3544	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3545	ERJ6RED750	M.RESISTOR CH 1/10W 75	1	
R3546	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3547	ERJ6RED750	M.RESISTOR CH 1/10W 75	1	
R3548	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3549	ERJ6RED750	M.RESISTOR CH 1/10W 75	1	
R3550-54	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	5	
R3600	ERJ3GEYJ224	M.RESISTOR CH 1/16W 220K	1	
R3601	ERJ3GEYJ684	M.RESISTOR CH 1/16W 680K	1	
R3602	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3603	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R3604	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3605,06	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	2	
R3607	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R3608	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3609	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3610	ERJ3GEYJ184	M.RESISTOR CH 1/16W 180K	1	
R3611	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3612	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	1	
R3613	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3614	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R3616	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3617,18	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R3700	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3701	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R3702	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R3705	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3706	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R3707	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	1	
R3708	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R3709	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	1	
R3711,12	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	2	
R3713	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R3715	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3716	ERJ3GEYJ123	M.RESISTOR CH 1/16W 12K	1	
R3718	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R3719	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R3720	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R3723	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	1	
R3724	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R3725	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R3726	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R3727	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R3728	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3729	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R3732,33	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R3735	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R3736	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3738	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R3739	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R3741	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3742	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3743	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3744	ERJ3GEYJ823	M.RESISTOR CH 1/16W 82K	1	
R3745	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R3755	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3760	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3800-02	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	3	
R3805	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3806	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3900-02	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	3	
R3903-07	D1H833040002	COMBI.R-R 33	5	
R3908	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R3909-11	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	3	
R3912-16	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	5	
R3917-24	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	8	
TG3601	EYF6CU	TEST POINT	1	
TG3702	EYF6CU	TEST POINT	1	
TG3800	EYF6CU	TEST POINT	1	
TP3153	EYF6CU	TEST POINT	1	
TP3600	EYF6CU	TEST POINT	1	
TP3701	EYF6CU	TEST POINT	1	
TP3802-04	EYF6CU	TEST POINT	3	
TP3806	EYF6CU	TEST POINT	1	
VC3701	ECV1ZW20X53T	TRIMMER	1	
VR3600	EVMEGSA00B14	V.RESISTOR 10K	1	
VR3700	EVMEGSA00B14	V.RESISTOR 10K	1	
X3701	H0D143500030	CRYSTAL OSCILLATOR	1	
X3702	VSX0788	CRYSTAL OSCILLATOR	1	H1C2705B0006
		MISCELLANEOUS		
	VML2143	CARD PULLER	1	
	VML2144	CARD PULLER	1	
■ E6	VEP86326B	F6 SYSCON P.C.BOARD	1	(RTL)
C100-07	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	8	
C108,09	EEVHB0J470	E.CAPACITOR 6.3V 47U	2	
C110,11	EEVHB1C470P	E.CAPACITOR 16V 47U	2	
C112-15	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C116,17	EEVHB0J470	E.CAPACITOR 6.3V 47U	2	
C118	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C119	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C120,21	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C122	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C123-25	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C126	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C127-30	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	4	
C200,01	ECUX1H120JCV	C.CAPACITOR CH 50V 12P	2	
C202,03	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C204	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	
C205	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C206	ECUX1H221JCV	C.CAPACITOR CH 50V 220P	1	
C207-17	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	11	
C218	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C219-22	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C224-27	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C229	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C300	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C301-04	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	4	
C305-07	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C308-10	EEVHB1C470P	E.CAPACITOR 16V 47U	3	
C400-03	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C405-07	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C500	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C502-06	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	5	
C600	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C601-08	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	8	
C609,10	EEVHB0J470	E.CAPACITOR 6.3V 47U	2	
C611-13	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C614	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C700	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	
C701	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	1	
C702-05	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C706	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C707	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C708	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	
C709	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C710	ECUX1H221JCV	C.CAPACITOR CH 50V 220P	1	
C711-21	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	11	
C722	ECUX1H120JCV	C.CAPACITOR CH 50V 12P	1	
C723	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	1	
C724	ECUX1H120JCV	C.CAPACITOR CH 50V 12P	1	
C725,26	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	2	
C727-30	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C800-02	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C803	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C804	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C805	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C900,01	VCK0152	C.CAPACITOR	2	F1L1C1060016
C903-06	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C907,08	VCK0152	C.CAPACITOR	2	F1L1C1060016
C909	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C910	VCK0152	C.CAPACITOR	1	F1L1C1060016
C911,12	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C913	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C914	ECUX1H120JCV	C.CAPACITOR CH 50V 12P	1	
C915	ECUX1H561JCV	C.CAPACITOR CH 50V 560P	1	
C916	ECUX1H821JCV	C.CAPACITOR CH 50V 820P	1	
C917	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C918	VCK0152	C.CAPACITOR	1	F1L1C1060016
C919-22	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C923,24	EEVHP1A330	E.CAPACITOR 10V 33U	2	
C925,26	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C927	VCK0152	C.CAPACITOR	1	F1L1C1060016
C1000-24	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	25	
C1100-04	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	5	
C1106-08	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C1200-06	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	7	
C1300-02	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
D100	MA3X71600L	DIODE	1	
D204-08	MA3X71600L	DIODE	5	
D500-06	MA3X71600L	DIODE	7	
D702	MA147	DIODE	1	
D900,01	MA147	DIODE	2	
D903,04	MA147	DIODE	2	
D1000	MA147	DIODE	1	
D1001-11	MA3X71600L	DIODE	11	
IC100	NJM78L09UA	IC	1	C0CBAHC00002
IC101	NJM79L09UA	IC	1	C0CABBF00001
IC102	C0CBADD00003	IC	1	
IC103	C0CBBDB00004	IC	1	
IC104	C0CBAAB00021	IC	1	
IC105	XC62FP3202P	IC	1	
IC106	C0CBAAB00021	IC	1	
IC201	C0JBAA000174	IC	1	
IC202	C0JBAB000350	IC	1	
IC203	C0JBAA000174	IC	1	
IC300	ADM202JRN	IC	1	C0ZBZ0000171
IC301	C0JBAZ001137	IC	1	
IC304	C3ZBD0000004	IC	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
IC400,01	C0JBAZ001647	IC	2	
IC402,03	SN75C1168NS	IC	2	
IC405	C0JBAZ001121	IC	1	
IC406	UPD6456T611Y	IC	1	C1AB00000555
IC407	C0JBAZ001121	IC	1	
IC500	C0JBAZ001120	IC	1	
IC502	C0JBAZ000994	IC	1	
IC503	SN74LV04APW	IC	1	C0JBAB000247
IC504	C0JBAB000354	IC	1	
IC505	C0JBAB000350	IC	1	
IC506	C0JBAZ001121	IC	1	
IC600	C1ZBZ0001836	IC	1	
IC700	SN74LV04APW	IC	1	C0JBAB000247
IC701	TL7705CPSB	IC	1	C0EBS0000002
IC702	C0JBAA000174	IC	1	
IC703	S80727ANDQ	IC	1	
IC704	C0JBAA000174	IC	1	
IC705	C0JBAZ001120	IC	1	
IC706	C0JBAA000261	IC	1	
IC707	C0JBAZ001591	IC	1	
IC800	C1AB00000936	IC	1	
IC900	TC4W53FU	IC	1	
IC901	C0ABBB000032	IC	1	
IC902	C0ABBB000196	IC	1	
IC903	C0ABBB000032	IC	1	
IC904	C0BBBA000044	IC	1	
IC905	C0ABBB000196	IC	1	
IC906	C0ABBB000032	IC	1	
IC907	TC4W53FU	IC	1	
IC1000-02	C0ABFB000012	IC	3	
IC1100-03	C0JBAZ001121	IC	4	
IC1104	C0JBAZ001137	IC	1	
IC1105	C0JBAZ001121	IC	1	
IC1106	C0JBAA000174	IC	1	
IC1107	C0JBAZ001121	IC	1	
IC1200-03	C0JBAZ001121	IC	4	
IC1204	C0JBAZ000994	IC	1	
IC1205	SN74LV04APW	IC	1	C0JBAB000247
IC1206	C0JBAZ001647	IC	1	
IC1300	C0JBAZ001003	IC	1	
ID200	VVVSI3930C	SOFTWARE	1	
ID700	VVVSI3929	SOFTWARE	1	
ID1300	VVVSI3931	SOFTWARE	1	
IP200	C2DBLK000001	IC	1	
IP700	C2DBLK000001	IC	1	
IP1300	C1ZBZ0001555	IC	1	
L100,01	VLF1151A132	COIL	2	
L200-02	VLQ0163J470	COIL 47UH	3	
L600	VLQ0163J470	COIL 47UH	1	
L700-02	VLQ0163J470	COIL 47UH	3	
L6001,02	VLQ0163J470	COIL 47UH	2	
P1,P2	K1KA96B00032	CONNECTOR (MALE)	2	
P200	VJS3791B020	CONNECTOR (FEMALE)	1	
P201	K1KA10A00303	CONNECTOR (MALE)	1	
P700	VJS3791B020	CONNECTOR (FEMALE)	1	
P701	K1KA10A00303	CONNECTOR (MALE)	1	
QR1100	UNR521300L	TRANSISTOR	1	
R100	D1H810240001	COMBI.R-R 1K	1	
R200	D1H84734A008	COMBI.R-R 47K	1	
R201	D1H84704A008	COMBI.R-R 47	1	
R203	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R204	D1H810240001	COMBI.R-R 1K	1	
R205	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R206,07	D1H84704A008	COMBI.R-R 47	2	
R209	D1H84704A008	COMBI.R-R 47	1	
R210	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R211	D0GZ103J0001	M.RESISTOR CH 10K	1	
R212	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R213	D0GZ103J0001	M.RESISTOR CH 10K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R214	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R215	D1H84734A008	COMBI.R-R 47K	1	
R216	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R217	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R218	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R219	D1H833040002	COMBI.R-R 33	1	
R221	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R222	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R223	D0GZ103J0001	M.RESISTOR CH 10K	1	
R224	D1H833040002	COMBI.R-R 33	1	
R228	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R229	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R230-32	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	D0GB103JA002
R233-36	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	4	
R237	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R246-48	D0GZ103J0001	M.RESISTOR CH 10K	3	
R249-51	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	3	
R253-61	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	9	
R264-68	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	5	
R275	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R276,77	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R278	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R280	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R281	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R282	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R283	D1H810240001	COMBI.R-R 1K	1	
R284	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R301,02	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R305	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R307	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R308	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R309	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R313,14	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R316	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R318,19	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R321	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R404,05	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R407	D1H84734A008	COMBI.R-R 47K	1	
R408-11	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	4	
R412	D1H84734A008	COMBI.R-R 47K	1	
R413,14	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2	
R417,18	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2	
R422	D1H84734A008	COMBI.R-R 47K	1	
R423	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R424	D1H84704A008	COMBI.R-R 47	1	
R425	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R427	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R434	D1H84734A008	COMBI.R-R 47K	1	
R437,38	D1H810240001	COMBI.R-R 1K	2	
R500	D1H84734A008	COMBI.R-R 47K	1	
R502	D1H84704A008	COMBI.R-R 47	1	
R504	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R506	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R508	D1H84734A008	COMBI.R-R 47K	1	
R509-12	D1H84704A008	COMBI.R-R 47	4	
R518	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R520,21	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R542	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R543	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R601,02	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R604,05	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R607-09	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R610	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R611	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R700	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R702	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R703,04	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R705	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R709	D0GZ103J0001	M.RESISTOR CH 10K	1	
R713	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R714	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R715,16	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2	
R717	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R718	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R719	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R720	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R721	D1H833040002	COMBI.R-R 33	1	
R724,25	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	2	
R726	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R728	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R729,30	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R731	D1H810240001	COMBI.R-R 1K	1	
R733	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R734-37	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	4	
R738	D1H84734A008	COMBI.R-R 47K	1	
R740-42	D1H84704A008	COMBI.R-R 47	3	
R744	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R745	D0GZ103J0001	M.RESISTOR CH 10K	1	
R746	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R747	D0GZ103J0001	M.RESISTOR CH 10K	1	
R748	D1H833040002	COMBI.R-R 33	1	
R749	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R755-57	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	3	
R758	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R764-66	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	3	
R767	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R768	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R769,70	D0GZ103J0001	M.RESISTOR CH 10K	2	
R800	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R803	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R804	D1H84734A008	COMBI.R-R 47K	1	
R805	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R806-08	D1H84734A008	COMBI.R-R 47K	3	
R809-11	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	3	
R812	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R813	D1H8R0040001	COMBI.R-R 0	1	
R815	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R900	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R901	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R903,04	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R906	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R907	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R910,11	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	2	
R912	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R913,14	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	2	
R917,18	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R919	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R920	ERJ3GEYJ824	M.RESISTOR CH 1/16W 820K	1	
R921,22	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R923-25	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	3	
R926	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R927,28	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	2	
R929	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R930	ERJ3GEYJ394	M.RESISTOR CH 1/16W 390K	1	
R931	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
R932	ERJ3RBD333	M.RESISTOR CH 1/16W 33K	1	
R933	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	
R934	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R935	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R936,37	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	2	
R938	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R940,41	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	2	
R942,43	ERJ3RBD562	M.RESISTOR CH 1/16W 5.6K	2	
R944	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R945	ERJ3RBD682	M.RESISTOR CH 1/16W 6.8K	1	
R946	ERJ3RBD512	M.RESISTOR CH 1/16W 5.1K	1	
R947,48	ERJ3RED390	M.RESISTOR CH 1/16W 39	2	
R949	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R950	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R951	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R954	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R956	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R957	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R1000	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R1001	ERJ3GEYJ394	M.RESISTOR CH 1/16W 390K	1	
R1002-05	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	4	
R1006-10	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	5	
R1013	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R1016	ERJ3GEYJ624	M.RESISTOR CH 1/16W 620K	1	
R1017	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R1018	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R1019	ERJ3GEYJ394	M.RESISTOR CH 1/16W 390K	1	
R1021	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R1024	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R1027	ERJ3GEYJ624	M.RESISTOR CH 1/16W 620K	1	
R1028	ERJ3GEYJ394	M.RESISTOR CH 1/16W 390K	1	
R1029	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R1032	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R1035	ERJ3GEYJ394	M.RESISTOR CH 1/16W 390K	1	
R1036	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R1039	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R1042	ERJ3GEYJ394	M.RESISTOR CH 1/16W 390K	1	
R1044	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R1047	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R1050	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R1051	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R1052	ERJ3GEYJ394	M.RESISTOR CH 1/16W 390K	1	
R1053	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R1056	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R1059	ERJ3GEYJ394	M.RESISTOR CH 1/16W 390K	1	
R1060	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R1061-66	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	6	
R1067-70	ERJ3GEYJ624	M.RESISTOR CH 1/16W 620K	4	
R1071	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R1100	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R1101	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R1102,03	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R1104,05	D1H84734A008	COMBI.R-R 47K	2	
R1106-08	D1H84704A008	COMBI.R-R 47	3	
R1110,11	D0GZ220J0001	M.RESISTOR CH 22	2	
R1112,13	D1H84704A008	COMBI.R-R 47	2	
R1114	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R1115-18	D1H84734A008	COMBI.R-R 47K	4	
R1119-21	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	3	
R1123,24	D1H84704A008	COMBI.R-R 47	2	
R1126	D1H84734A008	COMBI.R-R 47K	1	
R1128,29	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R1130	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R1133	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R1200,01	D1H84734A008	COMBI.R-R 47K	2	
R1202,03	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R1204	D1H84734A008	COMBI.R-R 47K	1	
R1205	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R1206-08	D1H84704A008	COMBI.R-R 47	3	
R1209-12	D1H84734A008	COMBI.R-R 47K	4	
R1213	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R1214	D1H84734A008	COMBI.R-R 47K	1	
R1215	D1H8R0040001	COMBI.R-R 0	1	
R1217,18	D1H8R0040001	COMBI.R-R 0	2	
R1300	D1H810240001	COMBI.R-R	1	
R1301	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R1302	D0GZ103J0001	M.RESISTOR CH 10K	1	
R1303	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R1304	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
SW200	VSS0367-08B	SWITCH	1	
X200	H0J921400004	CRYSTAL OSCILLATOR	1	
X700	H0J921400004	CRYSTAL OSCILLATOR	1	
		MISCELLANEOUS		
	VML2143	CARD PULLER	1	
	VML2144	CARD PULLER	1	
■ E7	VEP82246B	F7 SERVO P.C.BOARD	1	(RTL)
C1	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C2	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C4	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C5	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C6,C7	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C8,C9	ECUX1H222KBV	C.CAPACITOR CH 50V 2200P	2	
C10,11	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C12	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C13,14	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C15,16	ECUX1H332KBV	C.CAPACITOR CH 50V 3300P	2	
C17	EEVHB1C220	E.CAPACITOR 16V 22U	1	
C18	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C19	F1J0J475A006	C.CAPACITOR CH6.3V 1U	1	
C20,21	EEVHB1C220	E.CAPACITOR 16V 22U	2	
C22-26	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	5	
C27	ECUX1H561JCV	C.CAPACITOR CH 50V 560P	1	
C32,33	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C60	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C61-64	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	4	
C69	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C70-73	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	4	
C74-77	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C150,51	ECUX1C224ZFV	C.CAPACITOR CH 16V 0.22U	2	
C152,53	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C154	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	1	
C155	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	1	
C156,57	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C158	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C160	ECUX1H271JCV	C.CAPACITOR CH 50V 270P	1	
C163	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C165,66	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	2	
C167-71	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	5	
C172	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C173	ECUX1C333KBV	C.CAPACITOR CH 16V 0.033U	1	
C174	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C201	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C202	ECUX1H120JCV	C.CAPACITOR CH 50V 12P	1	
C203	ECUX1H150JCV	C.CAPACITOR CH 50V 15P	1	
C204-07	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C208,09	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	2	
C210-14	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	5	
C215	EEVHB0J101	E.CAPACITOR 6.3V 100U	1	
C216	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C217,18	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C219,20	ECUX1H221JCV	C.CAPACITOR CH 50V 220P	2	
C221-29	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	9	
C230,31	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	2	
C301-05	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	5	
C310,11	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C312	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C351,52	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C353	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C354,55	ECUX1H272KBV	C.CAPACITOR CH 50V 2700P	2	
C356-60	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	5	
C361,62	ECUX1H153KBV	C.CAPACITOR CH 50V 0.015U	2	
C401,02	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	2	
C403,04	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C405,06	EEVHB1C470P	E.CAPACITOR 16V 47U	2	
C407,08	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C409,10	EEVHB1C470P	E.CAPACITOR 16V 47U	2	
C411	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C412-14	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C415	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	1	
C416	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C417	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	1	
C418-24	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	7	
C425	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C426,27	EEVHB1C470P	E.CAPACITOR 16V 47U	2	
C428	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C429,30	EEVHB1C470P	E.CAPACITOR 16V 47U	2	
C431	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C432-34	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C452	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C453	EEUFC1V101	E.CAPACITOR 35V 100U	1	
C454,55	ECUX1H682KBV	C.CAPACITOR CH 50V 6800P	2	
C456,57	EEUFC1V101	E.CAPACITOR 35V 100U	2	
C458-60	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C461	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C500	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C501	EEUFC1V101	E.CAPACITOR 35V 100U	1	
C502,03	ECUX1H682KBV	C.CAPACITOR CH 50V 6800P	2	
C504	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C505,06	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	2	
C507,08	EEUFC1V101	E.CAPACITOR 35V 100U	2	
C509-11	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C512	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C513	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C514	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C515	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C516	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C517-19	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C550,51	ECUX1C473KBV	C.CAPACITOR CH 16V 0.047U	2	
C552-54	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C555	ECUX1H153KBV	C.CAPACITOR CH 50V 0.015U	1	
C556	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C557	ECUX1H153KBV	C.CAPACITOR CH 50V 0.015U	1	
C558,59	ECUX1H472KBV	C.CAPACITOR CH 50V 4700P	2	
C560	ECUM1E473KBN	C.CAPACITOR CH 25V 0.047U	1	
C561	ECUX1C333KBV	C.CAPACITOR CH 16V 0.033U	1	
C562	ECUM1E473KBN	C.CAPACITOR CH 25V 0.047U	1	
C563	ECUX1C333KBV	C.CAPACITOR CH 16V 0.033U	1	
C564	ECUM1E473KBN	C.CAPACITOR CH 25V 0.047U	1	
C565	ECUX1H472KBV	C.CAPACITOR CH 50V 4700P	1	
C566	ECUM1E473KBN	C.CAPACITOR CH 25V 0.047U	1	
C567	ECUX1H472KBV	C.CAPACITOR CH 50V 4700P	1	
C568	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C569	ECUX1C333KBV	C.CAPACITOR CH 16V 0.033U	1	
C570	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C571	ECUX1C333KBV	C.CAPACITOR CH 16V 0.033U	1	
C572	ECUX1H472KBV	C.CAPACITOR CH 50V 4700P	1	
C573	ECUX1E225ZFM	C.CAPACITOR CH 25V 2.2U	1	
C574	ECUX1H472KBV	C.CAPACITOR CH 50V 4700P	1	
C575	ECUX1E225ZFM	C.CAPACITOR CH 25V 2.2U	1	
C576,77	ECUX1C333KBV	C.CAPACITOR CH 16V 0.033U	2	
C578,79	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C580,81	ECUX1E225ZFM	C.CAPACITOR CH 25V 2.2U	2	
C582	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C583	ECUX1E225ZFM	C.CAPACITOR CH 25V 2.2U	1	
C584	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C585	ECUX1E225ZFM	C.CAPACITOR CH 25V 2.2U	1	
C586,87	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C588,89	ECUM1E473KBN	C.CAPACITOR CH 25V 0.047U	2	
C590,91	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C592,93	EEVHB0J470	E.CAPACITOR 6.3V 47U	2	
C594,95	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C596,97	ECUX1C474KBN	C.CAPACITOR CH 16V 0.47U	2	
C598,99	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	2	
C600,01	EEVHB0J470	E.CAPACITOR 6.3V 47U	2	
C602,03	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	2	
C604,05	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C606-09	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	4	
C610-13	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	4	
C614,15	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	2	
C616,17	EEVHB1C100	E.CAPACITOR 16V 10U	2	
C618-23	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	6	
C651-54	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C657,58	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	2	
C659	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C660	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C661	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C662	ECUX1H221JCV	C.CAPACITOR CH 50V 220P	1	
C663-66	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C667	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C668	EEVHB0J101	E.CAPACITOR 6.3V 100U	1	
C669-71	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C672	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C673	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	1	
C674,75	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C676-78	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C679,80	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	2	
C681	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C699,00	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
D1-D4	MA8075-H	DIODE	4	
D5,D6	MA142K	DIODE	2	
D7-D9	MA147	DIODE	3	
D201-03	MA147	DIODE	3	
D353,54	MA147	DIODE	2	
D355,56	MA142K	DIODE	2	
D401,02	MA142K	DIODE	2	
D403-06	MA704A	DIODE	4	
D407	MA147	DIODE	1	
D450,51	MA2J72800L	DIODE	2	
D452,53	MA2Q73600L	DIODE	2	
D500,01	MA2J72800L	DIODE	2	
D502,03	MA2Q73600L	DIODE	2	
D504	MA142K	DIODE	1	
D550,51	MA142K	DIODE	2	
D552-63	MA2Q73800L	DIODE	12	
D564,65	MA147	DIODE	2	
D605,06	MA2Q73800L	DIODE	2	
D609-12	MA2Q73800L	DIODE	4	
D651	MA142K	DIODE	1	
D652-55	MA142WK	DIODE	4	
D656	MA147	DIODE	1	
D657	MA142WK	DIODE	1	
D658	MA142WA	DIODE	1	
D659	MA8051-M	DIODE	1	
D660	MA8082-H	DIODE	1	
D661	MA142WK	DIODE	1	
D662	MA142K	DIODE	1	
D663	MAZ80330HL	DIODE	1	
D664	MA8039-H	DIODE	1	
D665	MA8075-H	DIODE	1	
D666	MA2Q73800L	DIODE	1	
D667	MA142K	DIODE	1	
D668-70	MA2Q73800L	DIODE	3	
D671,72	MA142WK	DIODE	2	
IC1	C0JBAZ000994	IC	1	
IC2	C0ABBB000179	IC	1	
IC3	TC4052BF	IC	1	
IC5	C0ABBB000179	IC	1	
IC7	C0ABBB000179	IC	1	
IC8	TC4052BF	IC	1	
IC10	C0ABBB000179	IC	1	
IC61,62	C0ABBB000184	IC	2	
IC63,64	C0BBBA000044	IC	2	
IC103	C0JBAZ000994	IC	1	
IC151	C0ABBB000179	IC	1	
IC152	C0ABBB000184	IC	1	
IC153	C0BBBA000044	IC	1	
IC154	C0JBAZ000994	IC	1	
IC155	C0ABBB000179	IC	1	
IC156	C0BBBA000044	IC	1	
IC157	C0ABBB000184	IC	1	
IC158	C0ABBA000075	IC	1	
IC204	C0JBAB000397	IC	1	
IC206-08	C0JBAZ001121	IC	3	
IC301	C0JBAZ001121	IC	1	
IC302	C0JBAZ001003	IC	1	
IC354	M62370GP	IC	1	C0FBBD000082
IC355,56	C0ABBB000179	IC	2	
IC357	C0ABBA000075	IC	1	
IC401	C0ABBA000075	IC	1	
IC402,03	NJM78L09UA	IC	2	C0CBAHC00002
IC404	C0CBABD00005	IC	1	
IC405	C0CBADD00003	IC	1	
IC406,07	NJM79L09UA	IC	2	C0CABBF00001
IC408	C0CBBDB00004	IC	1	
IC501	C0BBBA000044	IC	1	
IC502	C0ABBB000184	IC	1	
IC503	TL1451CNS	IC	1	C0DBAMA00001
IC551	C0BBBA000044	IC	1	
IC552	C0ABBB000179	IC	1	
IC553,54	AN3834S	IC	2	
IC555	C0ABBB000179	IC	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
IC600,01	AN3890FBS	IC	2	
IC650	C0JBAZ001120	IC	1	
IC651	C0JBAM000111	IC	1	
IC652	C0ABBA000075	IC	1	
IC653	C0JBAM000052	IC	1	
IC654	C0JBAZ001120	IC	1	
IC655,56	BA6238A	IC	2	C0GAK0000007
IC658	C0BBBA000044	IC	1	
IC659	C0JBAF000487	IC	1	
IC660-62	C0JBAM000111	IC	3	
ID201	VVVSI3932	SOFTWARE	1	
ID300	VVVSI3888	SOFTWARE	1	
IP201	MN1030F04K	IC	1	
IP300	EPM3256A1410	IC	1	
L401,02	VLF1151A132	COIL	2	
L451,52	VLQ0504331K	COIL 330UH	2	G0A331F00001
L453	VLQ0407120M	COIL 12UH	1	G0A120HA0007
L500,01	VLQ0504331K	COIL 330UH	2	G0A331F00001
P202	VJS3791B020	CONNECTOR (FEMALE)	1	
P300	K1KA08B00147	CONNECTOR (FEMALE)	1	
P700,01	K1KA96B00032	CONNECTOR (MALE)	2	
Q1	2SD601A	TRANSISTOR	1	
Q2,Q3	2SB709A	TRANSISTOR	2	
Q4	2SD601A	TRANSISTOR	1	
Q5	2SB709A	TRANSISTOR	1	
Q6	2SD601A	TRANSISTOR	1	
Q401,02	2SD601A	TRANSISTOR	2	
Q450,51	2SB1073	TRANSISTOR	2	
Q500,01	2SB1174-Q	TRANSISTOR	2	2SB11740Q
Q551-56	2SD1624-S	TRANSISTOR	6	
Q600	PU3210	TRANSISTOR	1	
Q601	PU3110	TRANSISTOR	1	
Q604	PU3210	TRANSISTOR	1	
Q605	PU3110	TRANSISTOR	1	
Q650	2SD601A	TRANSISTOR	1	
Q651	2SB710A	TRANSISTOR	1	
Q652	2SB936A-Q	TRANSISTOR	1	
Q653,54	2SB766	TRANSISTOR	2	
Q655,56	2SB1073-R	TRANSISTOR	2	
QR1-R5	UNR521300L	TRANSISTOR	5	
QR6	UNR511300L	TRANSISTOR	1	
QR7	UN5215	TRANSISTOR-RESISTOR	1	
QR8	UNR511500L	TRANSISTOR	1	
QR500,01	UNR511100L	TRANSISTOR	2	
QR550-53	UN5215	TRANSISTOR-RESISTOR	4	
QR600	UNR521300L	TRANSISTOR	1	
QR601	UN5217	TRANSISTOR-RESISTOR	1	
QR602	UNR521400L	TRANSISTOR-RESISTOR	1	
QR651	UNR521300L	TRANSISTOR	1	
QR654	UNR521300L	TRANSISTOR	1	
QR655,56	UNR521400L	TRANSISTOR-RESISTOR	2	
QR657	UNR521300L	TRANSISTOR	1	
QR658	UNR511300L	TRANSISTOR	1	
QR659-63	UNR521400L	TRANSISTOR-RESISTOR	5	
QR664	UNR511300L	TRANSISTOR	1	
QR665-68	UNR521400L	TRANSISTOR-RESISTOR	4	
QR669	UNR511300L	TRANSISTOR	1	
R1	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R2	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R3	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R4	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R5	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R6	ERJ3RBD563	M.RESISTOR CH 1/16W 56K	1	
R7	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R8	ERJ3GEYJ512	M.RESISTOR CH 1/16W 5.1K	1	
R9	ERJ3GEYJ912	M.RESISTOR CH 1/16W 9.1K	1	
R10	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R11	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R12	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R13	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R14	ERJ3RBD563	M.RESISTOR CH 1/16W 56K	1	
R15	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R16	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R17	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R18	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R19	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R20	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R21	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R22	ERJ3GEYJ823	M.RESISTOR CH 1/16W 82K	1	
R23	ERJ3GEYJ274	M.RESISTOR CH 1/16W 270K	1	
R24,25	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R26	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R27	ERJ3GEYJ823	M.RESISTOR CH 1/16W 82K	1	
R28	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R29,30	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R31	ERJ3RBD562	M.RESISTOR CH 1/16W 5.6K	1	
R32	ERJ3RBD471	M.RESISTOR CH 1/16W 470	1	
R33	ERJ3RBD562	M.RESISTOR CH 1/16W 5.6K	1	
R34-36	ERJ3RBD471	M.RESISTOR CH 1/16W 470	3	
R37	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R38,39	ERJ3RBD823	M.RESISTOR CH 1/16W 82K	2	
R40,41	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	2	
R42	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R43	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R44,45	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	2	
R46	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R47	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R48	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R49	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R50	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R58	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R59	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	1	
R60	ERJ3RBD912	M.RESISTOR CH 1/16W 9.1K	1	
R61	ERJ3GEYJ564	M.RESISTOR CH 1/16W 560K	1	
R62	ERJ3RBD912	M.RESISTOR CH 1/16W 9.1K	1	
R63	ERJ3GEYJ564	M.RESISTOR CH 1/16W 560K	1	
R64	ERJ3RBD912	M.RESISTOR CH 1/16W 9.1K	1	
R65	ERJ3GEYJ564	M.RESISTOR CH 1/16W 560K	1	
R66	ERJ3RBD912	M.RESISTOR CH 1/16W 9.1K	1	
R67	ERJ3GEYJ564	M.RESISTOR CH 1/16W 560K	1	
R68	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R69	ERJ3GEYJ823	M.RESISTOR CH 1/16W 82K	1	
R70	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R71	ERJ3GEYJ823	M.RESISTOR CH 1/16W 82K	1	
R72	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R73	ERJ3GEYJ823	M.RESISTOR CH 1/16W 82K	1	
R74	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R75	ERJ3GEYJ823	M.RESISTOR CH 1/16W 82K	1	
R76-79	ERJ3RBD273	M.RESISTOR CH 1/16W 27K	4	
R80,81	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	2	
R82-85	ERJ3GEYJ474	M.RESISTOR CH 1/16W 470K	4	
R86-89	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	4	
R90-93	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	4	
R94-97	ERJ3GEYJ224	M.RESISTOR CH 1/16W 220K	4	
R98	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R99	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	1	
R100,01	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	2	
R102,03	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	2	
R104	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R105	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	1	
R106-09	ERJ3GEYJ183	M.RESISTOR CH 1/16W 18K	4	
R141	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R142	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R143	ERJ3GEYJ393	M.RESISTOR CH 1/16W 39K	1	
R145	ERJ3GEYJ823	M.RESISTOR CH 1/16W 82K	1	
R146	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R150	ERJ3GEYJ564	M.RESISTOR CH 1/16W 560K	1	
R151	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R152	ERJ3GEYJ564	M.RESISTOR CH 1/16W 560K	1	
R153	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R154,55	ERJ3GEYJ274	M.RESISTOR CH 1/16W 270K	2	
R156	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R157	ERJ3GEYJ823	M.RESISTOR CH 1/16W 82K	1	

Components identified with the mark ⚠ have the special characterisitics for safety.
When replacing any of these components, use onlly the same type.

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R158	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R159	ERJ3GEYJ823	M.RESISTOR CH 1/16W 82K	1	
R160,61	ERJ3RBD273	M.RESISTOR CH 1/16W 27K	2	
R162,63	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	2	
R164,65	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	2	
R168,69	ERJ3GEYJ474	M.RESISTOR CH 1/16W 470K	2	
R170	ERJ3GEYJ154	M.RESISTOR CH 1/16W 150K	1	
R171	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R172	ERJ3GEYJ824	M.RESISTOR CH 1/16W 820K	1	
R173	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R174,75	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	2	
R176,77	ERJ3GEYJ274	M.RESISTOR CH 1/16W 270K	2	
R178,79	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	2	
R180,81	ERJ3GEYJ123	M.RESISTOR CH 1/16W 12K	2	
R182,83	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	2	
R184,85	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	2	
R186,87	ERJ3GEYJ224	M.RESISTOR CH 1/16W 220K	2	
R188,89	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	2	
R190,91	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	2	
R192,93	ERJ3GEYJ183	M.RESISTOR CH 1/16W 18K	2	
R194	ERJ3GEYJ154	M.RESISTOR CH 1/16W 150K	1	
R195,96	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R197	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
R198	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R201,02	D1H84704A008	COMBI.R-R 47	2	
R203	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R204	D1H84734A008	COMBI.R-R 47K	1	
R206	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R207	ERJ3GEYJ271	M.RESISTOR CH 1/16W 270	1	
R209,10	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R211	D1H810140001	COMBI.R-R 100	1	
R212	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R213	D1H84734A008	COMBI.R-R 47K	1	
R214,15	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R216	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R218	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R219	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R220	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R221	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R222	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R223	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R224-27	D1H84704A008	COMBI.R-R 47	4	
R228	D1H84734A008	COMBI.R-R 47K	1	
R229	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R230	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R233-35	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	3	
R236-40	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	5	
R241,42	D1H84704A008	COMBI.R-R 47	2	
R243	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R244	D1H84704A008	COMBI.R-R 47	1	
R245	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R246	D1H84704A008	COMBI.R-R 47	1	
R247,48	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R302	D1H810240001	COMBI.R-R 1K	1	
R303	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R305,06	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R307	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R308	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R309,10	D1H84704A008	COMBI.R-R 47	2	
R311	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R318	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R319	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R363	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R364,65	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	2	
R366,67	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R368,69	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	2	
R370,71	ERJ3RBD104	M.RESISTOR CH 1/16W 100K	2	
R372	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R373	ERJ3RBD104	M.RESISTOR CH 1/16W 100K	1	
R374,75	ERJ3RBD563	M.RESISTOR CH 1/16W 56K	2	
R376	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R377	ERJ3RBD563	M.RESISTOR CH 1/16W 56K	1	
R378-80	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	D0GB103JA002
R381	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R382	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R383	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R384	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R385	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R386	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R401,02	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	2	
R403	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R404	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R405,06	ERJ6RBD391	M.RESISTOR CH 1/10W 390	2	
R407	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R408-11	ERJ6RBD391	M.RESISTOR CH 1/10W 390	4	
R412,13	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R450,51	ERJ6GEYG331	M.RESISTOR CH 1/10W 330	2	
R452,53	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	2	
R454,55	ERJ6GEYG471	M.RESISTOR CH 1/10W 470	2	
R458	ERJ8GEY0R00	M.RESISTOR CH 1/8W 0	1	
⚠ R459	K5H2523A0001	FUSE	1	
R500,01	ERJ6GEYG331	M.RESISTOR CH 1/10W 330	2	
R502,03	ERJ3GEYJ394	M.RESISTOR CH 1/16W 390K	2	
R504,05	ERJ12YJ471	M.RESISTOR CH 1/2W 470	2	
R506	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R507	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R508	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R509	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R510	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R511	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R512	ERJ3GEYJ183	M.RESISTOR CH 1/16W 18K	1	
R513	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R514,15	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R516	ERJ3GEYJ183	M.RESISTOR CH 1/16W 18K	1	
R517	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R518	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R519,20	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R521	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R522	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R523	ERJ3GEYJ474	M.RESISTOR CH 1/16W 470K	1	
R524,25	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	2	
R526,27	ERJ6GEYG122	M.RESISTOR CH 1/10W 1.2K	2	
R528	ERJ3GEYJ183	M.RESISTOR CH 1/16W 18K	1	
R529	ERJ3GEYJ474	M.RESISTOR CH 1/16W 470K	1	
R530	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R531,32	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R533	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R535	ERJ8GEY0R00	M.RESISTOR CH 1/8W 0	1	
R551-53	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	3	
R554	ERJ3RBD272	M.RESISTOR CH 1/16W 2.7K	1	
R555	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R556	ERJ3RBD272	M.RESISTOR CH 1/16W 2.7K	1	
R557	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R558,59	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	2	
R560	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R561	ERJ3RBD682	M.RESISTOR CH 1/16W 6.8K	1	
R562,63	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	2	
R564	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R565	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R566,67	ERJ6GEYG330	M.RESISTOR CH 1/10W 33	2	
R568	ERJ12YJ2R2	M.RESISTOR CH 1/2W 2.2	1	
R569	ERJ6GEYG330	M.RESISTOR CH 1/10W 33	1	
R570	ERJ12YJ2R2	M.RESISTOR CH 1/2W 2.2	1	
R571	ERJ6GEYG330	M.RESISTOR CH 1/10W 33	1	
R572,73	ERJ12YJ2R2	M.RESISTOR CH 1/2W 2.2	2	
R574,75	ERJ6GEYG330	M.RESISTOR CH 1/10W 33	2	
R576	ERJ3GEYJ393	M.RESISTOR CH 1/16W 39K	1	
R577	ERJ3GEYJ123	M.RESISTOR CH 1/16W 12K	1	
R578	ERJ3GEYJ393	M.RESISTOR CH 1/16W 39K	1	
R579	ERJ3GEYJ123	M.RESISTOR CH 1/16W 12K	1	
R580-83	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	4	
R584,85	ERJ3RBD333	M.RESISTOR CH 1/16W 33K	2	
R586,87	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R588,89	ERJ3GEYJ271	M.RESISTOR CH 1/16W 270	2	
R590-95	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	6	
R600	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R601,02	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	2	
R603	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R605,06	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	2	
R607,08	ERJ3RBD333	M.RESISTOR CH 1/16W 33K	2	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R609,10	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	2	
R611,12	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R613-18	ERJ8GEYJ1R0	M.RESISTOR CH 1/8W 1	6	
R619	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R651-53	D1H84734A008	COMBI.R-R 47K	3	
R654	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R655	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R656	ERJ3GEYJ334	M.RESISTOR CH 1/16W 330K	1	
R657-60	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	4	
R661	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R662	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R663	ERJ3GEYJ224	M.RESISTOR CH 1/16W 220K	1	
R664	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R666	ERJ3GEYJ121	M.RESISTOR CH 1/16W 120	1	
R667	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R668	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R669,70	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R671-75	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	5	D0GB103JA002
R676,77	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	2	
R678	ERJ3GEYJ474	M.RESISTOR CH 1/16W 470K	1	
R679,80	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	2	
R681-83	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	D0GB103JA002
R684	ERJ6GEYG271	M.RESISTOR CH 1/10W 270	1	
R685	ERJ6GEYG222	M.RESISTOR CH 1/10W 2.2K	1	D0GD222JA003
R686	ERJ8GEYJ681	M.RESISTOR CH 1/8W 680	1	
R687	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R688	ERJ6GEYG222	M.RESISTOR CH 1/10W 2.2K	1	D0GD222JA003
R689,90	ERJ8GEYJ681	M.RESISTOR CH 1/8W 680	2	
R691,92	ERJ8GEYJ181	M.RESISTOR CH 1/8W 180	2	
R693	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R694	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
R695	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R696	ERJ8GEYJ102	M.RESISTOR CH 1/8W 1K	1	
R697	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R698	ERJ8GEYJ102	M.RESISTOR CH 1/8W 1K	1	
R702	ERJ3GEYJ394	M.RESISTOR CH 1/16W 390K	1	
R703	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R704,05	ERJ3GEYJ394	M.RESISTOR CH 1/16W 390K	2	
R706	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R709	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R710	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R711,12	ERJ3GEYJ155	M.RESISTOR CH 1/16W 1.5M	2	
R713,14	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	2	
R715	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R716,17	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
TG1,G2	EYF6CU	TEST POINT	2	
TG4	EYF6CU	TEST POINT	1	
TP1	EYF6CU	TEST POINT	1	
TP30,31	EYF6CU	TEST POINT	2	
TP80-83	EYF6CU	TEST POINT	4	
TP120-23	EYF6CU	TEST POINT	4	
TP160-63	EYF6CU	TEST POINT	4	
TP201	EYF6CU	TEST POINT	1	
TP230-35	EYF6CU	TEST POINT	6	
TP280-82	EYF6CU	TEST POINT	3	
TP300,01	EYF6CU	TEST POINT	2	
TP320	EYF6CU	TEST POINT	1	
TP651,52	EYF6CU	TEST POINT	2	
X201	VSX0918	CRYSTAL OSCILLATOR	1	H0J250500005
		MISCELLANEOUS		
	VML2143	CARD PULLER	1	
	VML2144	CARD PULLER	1	
■ E8	VEP85207A	F8 RF EQ P.C.BOARD	1	(RTL)

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C5002-08	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	7	
C5101,02	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C5104,05	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C5106	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C5108,09	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C5110	ECUX1H222KBV	C.CAPACITOR CH 50V 2200P	1	
C5111-18	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	8	
C5201-15	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	15	
C5301	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C5302,03	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	2	
C5304,05	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C5306	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C5308	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C5309,10	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	2	
C5311	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C5312-15	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C5316,17	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C5318	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C5319	ECUX1H220JCV	C.CAPACITOR CH 50V 22P	1	
C5320,21	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C5323,24	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C5328	ECUX1H221JCV	C.CAPACITOR CH 50V 220P	1	
C5329	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C5331	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C5332	ECUX1C473KBV	C.CAPACITOR CH 16V 0.047U	1	
C5333	ECUX1C683KBV	C.CAPACITOR CH 16V 0.068U	1	
C5334,35	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C5336	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C5338	ECUX1H680JCV	C.CAPACITOR CH 50V 68P	1	
C5340	ECUX1H120JCV	C.CAPACITOR CH 50V 12P	1	
C5342	ECJ1VC1H181J	C.CAPACITOR CH 50V 180P	1	
C5344	ECUX1H391JCV	C.CAPACITOR CH 50V 390P	1	
C5346	ECUX1H390JCV	C.CAPACITOR CH 50V 39P	1	
C5348	ECUX1H390JCV	C.CAPACITOR CH 50V 39P	1	
C5350	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C5351	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	1	
C5354	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C5356,57	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C5358,59	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C5360,61	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C5362	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C5363	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C5364	ECUX1H821JCV	C.CAPACITOR CH 50V 820P	1	
C5365	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C5366	ECUX1H272KBV	C.CAPACITOR CH 50V 2700P	1	
C5367,68	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C5370,71	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C5372	ECUX1H222KBV	C.CAPACITOR CH 50V 2200P	1	
C5501	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C5502,03	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	2	
C5504,05	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C5506	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C5508	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C5509,10	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	2	
C5511	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C5512-15	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C5516,17	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C5518	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C5519	ECUX1H220JCV	C.CAPACITOR CH 50V 22P	1	
C5520,21	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C5523,24	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C5528	ECUX1H221JCV	C.CAPACITOR CH 50V 220P	1	
C5529	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C5531	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C5532	ECUX1C473KBV	C.CAPACITOR CH 16V 0.047U	1	
C5533	ECUX1C683KBV	C.CAPACITOR CH 16V 0.068U	1	
C5534,35	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C5536	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C5538	ECUX1H680JCV	C.CAPACITOR CH 50V 68P	1	
C5540	ECUX1H120JCV	C.CAPACITOR CH 50V 12P	1	
C5542	ECJ1VC1H181J	C.CAPACITOR CH 50V 180P	1	
C5544	ECUX1H391JCV	C.CAPACITOR CH 50V 390P	1	
C5546	ECUX1H390JCV	C.CAPACITOR CH 50V 39P	1	
C5548	ECUX1H390JCV	C.CAPACITOR CH 50V 39P	1	
C5550	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C5551	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	1	
C5554	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C5556,57	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C5558,59	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C5560,61	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C5562	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C5563	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C5564	ECUX1H821JCV	C.CAPACITOR CH 50V 820P	1	
C5565	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C5566	ECUX1H272KBV	C.CAPACITOR CH 50V 2700P	1	
C5567,68	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C5570,71	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C5572	ECUX1H222KBV	C.CAPACITOR CH 50V 2200P	1	
C5701-08	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	8	
C5710-12	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C5713	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C5714	ECUX1C474KBN	C.CAPACITOR CH 16V 0.47U	1	
C5715-17	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C5718	ECUX0J225KBN	C.CAPACITOR CH6.3V 2.2U	1	
C5719	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	1	
C5720	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C5721,22	ECUX1H471JCV	C.CAPACITOR CH 50V 470P	2	
C5723-40	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	18	
C5801-08	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	8	
C5810-12	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C5813	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C5814	ECUX1C474KBN	C.CAPACITOR CH 16V 0.47U	1	
C5815-17	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C5818	ECUX0J225KBN	C.CAPACITOR CH6.3V 2.2U	1	
C5819	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	1	
C5820	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C5821,22	ECUX1H471JCV	C.CAPACITOR CH 50V 470P	2	
C5823-40	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	18	
C5901	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C5902	ECUX1H561JCV	C.CAPACITOR CH 50V 560P	1	
C5904	ECUX1H271JCV	C.CAPACITOR CH 50V 270P	1	
C5905	ECUX1H221JCV	C.CAPACITOR CH 50V 220P	1	
C5906	ECUX1E681JCV	C.CAPACITOR CH 25V 680P	1	
C5907	ECUX1H221JCV	C.CAPACITOR CH 50V 220P	1	
C5908,09	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C5910	ECUX1H182KBV	C.CAPACITOR CH 50V 1800P	1	
C5912	ECUX1H561JCV	C.CAPACITOR CH 50V 560P	1	
C5914	ECUX1H271JCV	C.CAPACITOR CH 50V 270P	1	
C5915	ECUX1H221JCV	C.CAPACITOR CH 50V 220P	1	
C5916,17	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C5918-20	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	3	
C5921-23	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C5924	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C5926,27	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C5928	ECUX1H182KBV	C.CAPACITOR CH 50V 1800P	1	
C5930,31	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C5932	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C5933	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C5934	EEFCD1C4R7R	E.CAPACITOR 16V 4.7U	1	
C5935	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C5937,38	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C5939	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C5940	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C5941	EEFCD1C4R7R	E.CAPACITOR 16V 4.7U	1	
C5942	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C5944,45	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C5946	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C5947	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C5948	EEFCD0J470R	E.CAPACITOR 6.3V 47U	1	
C5949	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C5951,52	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C5953	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C5954	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C5955	EEFCD0J470R	E.CAPACITOR 6.3V 47U	1	
C5956	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C5957	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C6301	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C6302,03	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	2	
C6304,05	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C6306	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C6308	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C6309,10	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	2	
C6311	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C6312-15	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C6316,17	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C6318	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C6319	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C6320,21	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C6323,24	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C6328	ECUX1H221JCV	C.CAPACITOR CH 50V 220P	1	
C6329	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C6331	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C6332	ECUX1C473KBV	C.CAPACITOR CH 16V 0.047U	1	
C6333	ECUX1C683KBV	C.CAPACITOR CH 16V 0.068U	1	
C6334,35	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C6336	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C6338	ECUX1H680JCV	C.CAPACITOR CH 50V 68P	1	
C6340	ECUX1H120JCV	C.CAPACITOR CH 50V 12P	1	
C6342	ECJ1VC1H181J	C.CAPACITOR CH 50V 180P	1	
C6344	ECUX1H391JCV	C.CAPACITOR CH 50V 390P	1	
C6346	ECUX1H390JCV	C.CAPACITOR CH 50V 39P	1	
C6348	ECUX1H390JCV	C.CAPACITOR CH 50V 39P	1	
C6350	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C6351	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	1	
C6354	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C6356,57	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C6358,59	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C6360,61	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C6362	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C6363	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C6364	ECUX1H821JCV	C.CAPACITOR CH 50V 820P	1	
C6365	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C6366	ECUX1H272KBV	C.CAPACITOR CH 50V 2700P	1	
C6367,68	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C6370,71	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C6372	ECUX1H222KBV	C.CAPACITOR CH 50V 2200P	1	
C6501	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C6502,03	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	2	
C6504,05	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C6506	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C6508	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C6509,10	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	2	
C6511	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C6512-15	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C6516,17	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C6518	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C6519	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C6520,21	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C6523,24	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C6528	ECUX1H221JCV	C.CAPACITOR CH 50V 220P	1	
C6529	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C6531	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C6532	ECUX1C473KBV	C.CAPACITOR CH 16V 0.047U	1	
C6533	ECUX1C683KBV	C.CAPACITOR CH 16V 0.068U	1	
C6534,35	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C6536	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C6538	ECUX1H680JCV	C.CAPACITOR CH 50V 68P	1	
C6540	ECUX1H120JCV	C.CAPACITOR CH 50V 12P	1	
C6542	ECJ1VC1H181J	C.CAPACITOR CH 50V 180P	1	
C6544	ECUX1H391JCV	C.CAPACITOR CH 50V 390P	1	
C6546	ECUX1H390JCV	C.CAPACITOR CH 50V 39P	1	
C6548	ECUX1H390JCV	C.CAPACITOR CH 50V 39P	1	
C6550	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C6551	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	1	
C6554	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C6556,57	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C6558,59	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C6560,61	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C6562	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C6563	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C6564	ECUX1H821JCV	C.CAPACITOR CH 50V 820P	1	
C6565	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C6566	ECUX1H272KBV	C.CAPACITOR CH 50V 2700P	1	
C6567,68	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C6570,71	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C6572	ECUX1H222KBV	C.CAPACITOR CH 50V 2200P	1	
C6701-08	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	8	
C6710-12	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C6713	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C6714	ECUX1C474KBN	C.CAPACITOR CH 16V 0.47U	1	
C6715-17	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C6718	ECUX0J225KBN	C.CAPACITOR CH6.3V 2.2U	1	
C6719	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	1	
C6720	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C6721,22	ECUX1H471JCV	C.CAPACITOR CH 50V 470P	2	
C6723-40	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	18	
C6801-08	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	8	
C6810-12	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C6813	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C6814	ECUX1C474KBN	C.CAPACITOR CH 16V 0.47U	1	
C6815-17	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C6818	ECUX0J225KBN	C.CAPACITOR CH6.3V 2.2U	1	
C6819	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	1	
C6820	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C6821,22	ECUX1H471JCV	C.CAPACITOR CH 50V 470P	2	
C6823-40	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	18	
D5901	MA2P701A0L	DIODE	1	
IC5001	C0JBAZ001003	IC	1	
IC5002	SN74LV04APW	IC	1	C0JBAB000247
IC5003	C0JBAA000174	IC	1	
IC5004	C0JBAZ001003	IC	1	
IC5006	TC4W53FU	IC	1	
IC5007	C0HBZ0000036	IC	1	
IC5101	DS90LV048A	IC	1	C0ZBZ0000280
IC5102,03	TLCX240FT	IC	2	
IC5104	DS90LV047A	IC	1	C0ZBZ0000279
IC5105	TLCX240FT	IC	1	
IC5106	DS90LV047A	IC	1	C0ZBZ0000279
IC5107	74LCX74MTCX	IC	1	C0JBAF000406
IC5108	DS90LV047A	IC	1	C0ZBZ0000279
IC5109	74LCX574MTCX	IC	1	C0JBAF000448
IC5110	C0ABEB000023	IC	1	
IC5111	C0JBAZ001867	IC	1	
IC5201	M62370GP	IC	1	C0FBBD000082
IC5202-05	C0JBAS000075	IC	4	
IC5206-08	C0ABFB000012	IC	3	
IC5209	C0JBAZ001003	IC	1	
IC5301	MC1495D	IC	1	
IC5302	UPC1663G	IC	1	C1CB00000329
IC5304	UPC1663G	IC	1	C1CB00000329
IC5305	TC4W53FU	IC	1	
IC5306	UPC1663G	IC	1	C1CB00000329
IC5501	MC1495D	IC	1	
IC5502	UPC1663G	IC	1	C1CB00000329
IC5504	UPC1663G	IC	1	C1CB00000329
IC5505	TC4W53FU	IC	1	
IC5506	UPC1663G	IC	1	C1CB00000329
IC5701	C0ABBB000158	IC	1	
IC5702	MN673798	IC	1	
IC5703	C0JBAZ001867	IC	1	
IC5704	C0ABEB000023	IC	1	
IC5801	C0ABBB000158	IC	1	
IC5802	MN673798	IC	1	
IC5803	C0JBAZ001867	IC	1	
IC5804	C0ABEB000023	IC	1	
IC5901	TC4W53FU	IC	1	
IC5902	NJM1496V	IC	1	
IC5903	C0ABEB000023	IC	1	
IC5904	LM2940S-5.0	IC	1	C0CBADG00007
IC5905	LM2990S-5.0	IC	1	
IC5906,07	LT1086CM	IC	2	C0CBAYG00001
IC6301	MC1495D	IC	1	
IC6302	UPC1663G	IC	1	C1CB00000329
IC6304	UPC1663G	IC	1	C1CB00000329
IC6305	TC4W53FU	IC	1	
IC6306	UPC1663G	IC	1	C1CB00000329
IC6501	MC1495D	IC	1	
IC6502	UPC1663G	IC	1	C1CB00000329

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
IC6504	UPC1663G	IC	1	C1CB00000329
IC6505	TC4W53FU	IC	1	
IC6506	UPC1663G	IC	1	C1CB00000329
IC6701	C0ABBB000158	IC	1	
IC6702	MN673798	IC	1	
IC6703	C0JBAZ001867	IC	1	
IC6704	C0ABEB000023	IC	1	
IC6801	C0ABBB000158	IC	1	
IC6802	MN673798	IC	1	
IC6803	C0JBAZ001867	IC	1	
IC6804	C0ABEB000023	IC	1	
L5301	VLQ0163MR27	COIL 0.27UH	1	
L5302	VLQ0163JR47	COIL 0.47UH	1	G1CR47J00004
L5303,04	VLQ0163J101	COIL 100UH	2	
L5305	VLQ0163JR33	COIL 0.33UH	1	G1CR33J00002
L5308	VLQ0163JR27	COIL 0.27UH	1	G1CR27J00002
L5309	VLQ0163J4R7	COIL 4.7UH	1	G1C4R7J00004
L5501	VLQ0163MR27	COIL 0.27UH	1	
L5502	VLQ0163JR47	COIL 0.47UH	1	G1CR47J00004
L5503,04	VLQ0163J101	COIL 100UH	2	
L5505	VLQ0163JR33	COIL 0.33UH	1	G1CR33J00002
L5508	VLQ0163JR27	COIL 0.27UH	1	G1CR27J00002
L5509	VLQ0163J4R7	COIL 4.7UH	1	G1C4R7J00004
L5901	VLQ0163J4R7	COIL 4.7UH	1	G1C4R7J00004
L5902	VLQ0163JR82	COIL 0.82UH	1	G1CR82J00002
L5903	VLQ0163J4R7	COIL 4.7UH	1	G1C4R7J00004
L5904	VLQ0163JR82	COIL 0.82UH	1	G1CR82J00002
L5905-08	VLF1151A132	COIL	4	
L6301	VLQ0163MR27	COIL 0.27UH	1	
L6302	VLQ0163JR47	COIL 0.47UH	1	G1CR47J00004
L6303,04	VLQ0163J101	COIL 100UH	2	
L6305	VLQ0163JR33	COIL 0.33UH	1	G1CR33J00002
L6308	VLQ0163JR27	COIL 0.27UH	1	G1CR27J00002
L6309	VLQ0163J4R7	COIL 4.7UH	1	G1C4R7J00004
L6501	VLQ0163MR27	COIL 0.27UH	1	
L6502	VLQ0163JR47	COIL 0.47UH	1	G1CR47J00004
L6503,04	VLQ0163J101	COIL 100UH	2	
L6505	VLQ0163JR33	COIL 0.33UH	1	G1CR33J00002
L6508	VLQ0163JR27	COIL 0.27UH	1	G1CR27J00002
L6509	VLQ0163J4R7	COIL 4.7UH	1	G1C4R7J00004
P5901	K1KA96B00032	CONNECTOR (MALE)	1	
Q5101	2SC3930	TRANSISTOR	1	
Q5301	2SC3930	TRANSISTOR	1	
Q5302	2SD1979	TRANSISTOR	1	
Q5303	XN6537	TRANSISTOR-RESISTOR	1	
Q5304	2SD1979	TRANSISTOR	1	
Q5305	2SC3930	TRANSISTOR	1	
Q5306	XP6534	TRANSISTOR-RESISTOR	1	
Q5307,08	2SD1979	TRANSISTOR	2	
Q5309	XP6534	TRANSISTOR-RESISTOR	1	
Q5310,11	2SK508K512	TRANSISTOR	2	
Q5312	2SC3930	TRANSISTOR	1	
Q5313	XP6534	TRANSISTOR-RESISTOR	1	
Q5314	2SD1979	TRANSISTOR	1	
Q5316	2SD1979	TRANSISTOR	1	
Q5318	2SC3930	TRANSISTOR	1	
Q5319	XP6534	TRANSISTOR-RESISTOR	1	
Q5320,21	2SC3930	TRANSISTOR	2	
Q5322	2SD1979	TRANSISTOR	1	
Q5323	2SC3930	TRANSISTOR	1	
Q5501	2SC3930	TRANSISTOR	1	
Q5502	2SD1979	TRANSISTOR	1	
Q5503	XN6537	TRANSISTOR-RESISTOR	1	
Q5504	2SD1979	TRANSISTOR	1	
Q5505	2SC3930	TRANSISTOR	1	
Q5506	XP6534	TRANSISTOR-RESISTOR	1	
Q5507,08	2SD1979	TRANSISTOR	2	
Q5509	XP6534	TRANSISTOR-RESISTOR	1	
Q5510,11	2SK508K512	TRANSISTOR	2	
Q5512	2SC3930	TRANSISTOR	1	
Q5513	XP6534	TRANSISTOR-RESISTOR	1	
Q5514	2SD1979	TRANSISTOR	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
Q5516	2SD1979	TRANSISTOR	1	
Q5518	2SC3930	TRANSISTOR	1	
Q5519	XP6534	TRANSISTOR-RESISTOR	1	
Q5520,21	2SC3930	TRANSISTOR	2	
Q5522	2SD1979	TRANSISTOR	1	
Q5523	2SC3930	TRANSISTOR	1	
Q5701	XP0650100L	TRANSISTOR	1	
Q5801	XP0650100L	TRANSISTOR	1	
Q5901	2SC3930	TRANSISTOR	1	
Q5902	XP6534	TRANSISTOR-RESISTOR	1	
Q5903	2SD1979	TRANSISTOR	1	
Q5905	2SD1979	TRANSISTOR	1	
Q5907	2SD1979	TRANSISTOR	1	
Q5909-11	2SC3930	TRANSISTOR	3	
Q6301	2SC3930	TRANSISTOR	1	
Q6302	2SD1979	TRANSISTOR	1	
Q6303	XN6537	TRANSISTOR-RESISTOR	1	
Q6304	2SD1979	TRANSISTOR	1	
Q6305	2SC3930	TRANSISTOR	1	
Q6306	XP6534	TRANSISTOR-RESISTOR	1	
Q6307,08	2SD1979	TRANSISTOR	2	
Q6309	XP6534	TRANSISTOR-RESISTOR	1	
Q6310,11	2SK508K512	TRANSISTOR	2	
Q6312	2SC3930	TRANSISTOR	1	
Q6313	XP6534	TRANSISTOR-RESISTOR	1	
Q6314	2SD1979	TRANSISTOR	1	
Q6316	2SD1979	TRANSISTOR	1	
Q6318	2SC3930	TRANSISTOR	1	
Q6319	XP6534	TRANSISTOR-RESISTOR	1	
Q6320,21	2SC3930	TRANSISTOR	2	
Q6322	2SD1979	TRANSISTOR	1	
Q6323	2SC3930	TRANSISTOR	1	
Q6501	2SC3930	TRANSISTOR	1	
Q6502	2SD1979	TRANSISTOR	1	
Q6503	XN6537	TRANSISTOR-RESISTOR	1	
Q6504	2SD1979	TRANSISTOR	1	
Q6505	2SC3930	TRANSISTOR	1	
Q6506	XP6534	TRANSISTOR-RESISTOR	1	
Q6507,08	2SD1979	TRANSISTOR	2	
Q6509	XP6534	TRANSISTOR-RESISTOR	1	
Q6510,11	2SK508K512	TRANSISTOR	2	
Q6512	2SC3930	TRANSISTOR	1	
Q6513	XP6534	TRANSISTOR-RESISTOR	1	
Q6514	2SD1979	TRANSISTOR	1	
Q6516	2SD1979	TRANSISTOR	1	
Q6518	2SC3930	TRANSISTOR	1	
Q6519	XP6534	TRANSISTOR-RESISTOR	1	
Q6520,21	2SC3930	TRANSISTOR	2	
Q6522	2SD1979	TRANSISTOR	1	
Q6523	2SC3930	TRANSISTOR	1	
Q6701	XP0650100L	TRANSISTOR	1	
Q6801	XP0650100L	TRANSISTOR	1	
R5001	D1H84734A008	COMBI.R-R 47K	1	
R5002,03	D1H810140001	COMBI.R-R 100	2	
R5004	D1H84734A008	COMBI.R-R 47K	1	
R5009,10	D1H810140001	COMBI.R-R 100	2	
R5011-13	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	3	
R5014,15	D1H84734A008	COMBI.R-R 47K	2	
R5017	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R5019,20	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R5021	D0GZ103J0001	M.RESISTOR CH 10K	1	
R5022	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R5023	D1H84734A008	COMBI.R-R 47K	1	
R5024	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R5025	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R5026	D0GZ220J0001	M.RESISTOR CH 22	1	
R5027	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R5028	D1H84734A008	COMBI.R-R 47K	1	
R5029	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R5030	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R5031	D0GZ220J0001	M.RESISTOR CH 22	1	
R5032	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R5101-03	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	3	
R5104	D0GZ220J0001	M.RESISTOR CH 22	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R5105	D1H810240001	COMBI.R-R 1K	1	
R5106,07	D0GZ220J0001	M.RESISTOR CH 22	2	
R5108,09	D1H810240001	COMBI.R-R 1K	2	
R5110	D0GZ220J0001	M.RESISTOR CH 22	1	
R5111	D1H810240001	COMBI.R-R 1K	1	
R5112,13	D0GZ220J0001	M.RESISTOR CH 22	2	
R5114-16	D1H810240001	COMBI.R-R 1K	3	
R5117	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R5121,22	D1H810240001	COMBI.R-R 1K	2	
R5123	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R5124	ERJ3GEYJ753	M.RESISTOR CH 1/16W 75K	1	
R5125	ERJ3GEYJ393	M.RESISTOR CH 1/16W 39K	1	
R5126	ERJ3GEYJ203	M.RESISTOR CH 1/16W 20K	1	
R5127	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R5128	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R5129	ERJ3GEYJ242	M.RESISTOR CH 1/16W 2.4K	1	
R5130	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	
R5131	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R5132	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5133	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R5134	ERJ3GEYJ751	M.RESISTOR CH 1/16W 750	1	
R5135	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R5136,37	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R5138	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R5139	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5142	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R5201	D1H84734A008	COMBI.R-R 47K	1	
R5202	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R5203	D0GZ220J0001	M.RESISTOR CH 22	1	
R5204	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R5205	ERJ3GEYJ123	M.RESISTOR CH 1/16W 12K	1	
R5206,07	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	2	
R5208	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R5209	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R5210,11	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	2	
R5212	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R5213	D1H810140001	COMBI.R-R 100	1	
R5214	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R5215	ERJ3GEYJ123	M.RESISTOR CH 1/16W 12K	1	
R5216,17	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	2	
R5218	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R5219	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R5220,21	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	2	
R5222	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R5223,24	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	2	
R5225	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R5226	D1H810140001	COMBI.R-R 100	1	
R5227,28	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	2	
R5229	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R5230	D1H810140001	COMBI.R-R 100	1	
R5231,32	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	2	
R5233	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R5234	D1H810140001	COMBI.R-R 100	1	
R5235,36	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	2	
R5237	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R5238	D1H810140001	COMBI.R-R 100	1	
R5239-42	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	4	
R5243	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R5301	D1H84704A008	COMBI.R-R 47	1	
R5302	ERJ3RBD682	M.RESISTOR CH 1/16W 6.8K	1	
R5303	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R5304	ERJ3RBD561	M.RESISTOR CH 1/16W 560	1	
R5305	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R5306	ERJ3RBD561	M.RESISTOR CH 1/16W 560	1	
R5307	ERJ3RBD221	M.RESISTOR CH 1/16W 220	1	
R5308	ERJ3RBD121	M.RESISTOR CH 1/16W 120	1	
R5309	ERJ3RBD331	M.RESISTOR CH 1/16W 330	1	
R5310	ERJ3RBD561	M.RESISTOR CH 1/16W 560	1	
R5311	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R5312,13	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R5314	ERJ3RBD561	M.RESISTOR CH 1/16W 560	1	
R5315	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R5316	ERJ3RBD822	M.RESISTOR CH 1/16W 8.2K	1	
R5317	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R5318	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R5319	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R5320	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R5321,22	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R5323	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R5324,25	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R5326	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R5327	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R5328,29	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R5330	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R5331	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R5332	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5333	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R5334	ERJ3RED680	M.RESISTOR CH 1/16W 68	1	
R5335	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R5336	ERJ3RBD272	M.RESISTOR CH 1/16W 2.7K	1	
R5337	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R5338	ERJ3GEYJ181	M.RESISTOR CH 1/16W 180	1	
R5339	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R5340,41	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R5342,43	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R5346,47	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	2	
R5348	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R5349	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5350	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R5351	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R5352	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5353	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R5354	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R5355	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R5356	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R5357	ERJ3RBD121	M.RESISTOR CH 1/16W 120	1	
R5358	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R5359	ERJ3RBD121	M.RESISTOR CH 1/16W 120	1	
R5360	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R5361,62	ERJ3RBD333	M.RESISTOR CH 1/16W 33K	2	
R5363	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5364	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R5365	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5366	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R5367	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5368	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R5369	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5370	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R5371	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R5372	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R5373	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5375	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R5377	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R5379	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5381	ERJ3RED470	M.RESISTOR CH 1/16W 47	1	
R5382	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R5383,84	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R5385,86	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R5387	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R5388,89	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	2	
R5390	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5391	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R5392	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5393	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R5394	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R5395	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R5396	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5397	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R5398	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5399	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R5400	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R5401	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R5402	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5403	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R5404	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5405	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R5406	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	1	
R5407	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R5408	ERJ3GEYJ271	M.RESISTOR CH 1/16W 270	1	
R5409	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R5410	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5411	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R5412,13	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R5414,15	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R5416	ERJ3RBD471	M.RESISTOR CH 1/16W 470	1	
R5417,18	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R5419	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R5501	D1H84704A008	COMBI.R-R 47	1	
R5502	ERJ3RBD682	M.RESISTOR CH 1/16W 6.8K	1	
R5503	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R5504	ERJ3RBD561	M.RESISTOR CH 1/16W 560	1	
R5505	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R5506	ERJ3RBD561	M.RESISTOR CH 1/16W 560	1	
R5507	ERJ3RBD221	M.RESISTOR CH 1/16W 220	1	
R5508	ERJ3RBD121	M.RESISTOR CH 1/16W 120	1	
R5509	ERJ3RBD331	M.RESISTOR CH 1/16W 330	1	
R5510	ERJ3RBD561	M.RESISTOR CH 1/16W 560	1	
R5511	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R5512,13	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R5514	ERJ3RBD561	M.RESISTOR CH 1/16W 560	1	
R5515	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R5516	ERJ3RBD822	M.RESISTOR CH 1/16W 8.2K	1	
R5517	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R5518	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R5519	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R5520	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R5521,22	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R5523	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R5524,25	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R5526	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R5527	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R5528,29	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R5530	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R5531	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R5532	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5533	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R5534	ERJ3RED680	M.RESISTOR CH 1/16W 68	1	
R5535	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R5536	ERJ3RBD272	M.RESISTOR CH 1/16W 2.7K	1	
R5537	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R5538	ERJ3GEYJ181	M.RESISTOR CH 1/16W 180	1	
R5539	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R5540,41	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R5542,43	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R5546,47	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	2	
R5548	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R5549	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5550	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R5551	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R5552	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5553	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R5554	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R5555	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R5556	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R5557	ERJ3RBD121	M.RESISTOR CH 1/16W 120	1	
R5558	ERJ3GEYJ151	M.RESISTOR CH 1/16W 150	1	
R5559	ERJ3RBD121	M.RESISTOR CH 1/16W 120	1	
R5560	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R5561,62	ERJ3RBD333	M.RESISTOR CH 1/16W 33K	2	
R5563	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5564	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R5565	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5566	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R5567	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5568	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R5569	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5570	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R5571	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R5572	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R5573	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5575	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R5577	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R5579	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5581	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5582	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R5583,84	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R5585,86	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R5587	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R5588,89	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	2	
R5590	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5591	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R5592	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5593	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R5594	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R5595	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R5596	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5597	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R5598	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5599	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R5600	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R5601	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R5602	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5603	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R5604	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5605	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R5606	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	1	
R5607	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R5608	ERJ3GEYJ271	M.RESISTOR CH 1/16W 270	1	
R5609	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R5610	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5611	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R5612,13	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R5614,15	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R5616	ERJ3RBD471	M.RESISTOR CH 1/16W 470	1	
R5617,18	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R5619	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R5701	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R5702,03	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2	
R5704	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R5705,06	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R5707,08	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	2	
R5709	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R5710	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R5711	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R5712	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R5713	ERJ3GEYJ751	M.RESISTOR CH 1/16W 750	1	
R5714	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R5715	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R5716	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R5717	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R5720	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R5721	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R5722	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	
R5723	ERJ3RBD821	M.RESISTOR CH 1/16W 820	1	
R5724	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R5725	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R5726	ERJ3GEYJ123	M.RESISTOR CH 1/16W 12K	1	
R5727	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R5729	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R5730,31	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	2	
R5732	ERJ3GEYJ753	M.RESISTOR CH 1/16W 75K	1	
R5733	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R5734	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5735-37	D0GZ220J0001	M.RESISTOR CH 22	3	
R5739	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R5741-43	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R5750	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5801	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R5802,03	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2	
R5804	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R5805,06	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R5807,08	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	2	
R5809	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R5810	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R5811	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R5812	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R5813	ERJ3GEYJ751	M.RESISTOR CH 1/16W 750	1	
R5814	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R5815	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R5816	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R5817	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R5820	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R5821	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R5822	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	
R5823	ERJ3RBD821	M.RESISTOR CH 1/16W 820	1	
R5824	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R5825	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R5826	ERJ3GEYJ123	M.RESISTOR CH 1/16W 12K	1	
R5827,28	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R5829	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R5830,31	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	2	
R5832	ERJ3GEYJ753	M.RESISTOR CH 1/16W 75K	1	
R5833	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R5834	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5835-37	D0GZ220J0001	M.RESISTOR CH 22	3	
R5839	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R5841-43	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R5850	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5901	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R5902	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5903	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R5904,05	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R5906	ERJ3GEYJ750	M.RESISTOR CH 1/16W 75	1	
R5907	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R5908	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R5909	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R5910	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R5911,12	ERJ3RED470	M.RESISTOR CH 1/16W 47	2	
R5913	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R5915,16	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	2	
R5917	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R5919	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R5921	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R5922	ERJ3RBD221	M.RESISTOR CH 1/16W 220	1	
R5923	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R5924	ERJ3RBD821	M.RESISTOR CH 1/16W 820	1	
R5925-28	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	4	
R5929	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R5930-33	ERJ3GEYJ560	M.RESISTOR CH 1/16W 56	4	
R5934	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	1	
R5935	ERJ3RBD681	M.RESISTOR CH 1/16W 680	1	
R5936,37	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	2	
R5938	ERJ3RBD392	M.RESISTOR CH 1/16W 3.9K	1	
R5939	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R5940	ERJ3RBD152	M.RESISTOR CH 1/16W 1.5K	1	
R5941	ERJ3RBD331	M.RESISTOR CH 1/16W 330	1	
R5942	ERJ3RBD121	M.RESISTOR CH 1/16W 120	1	
R5943	ERJ3RBD331	M.RESISTOR CH 1/16W 330	1	
R5944	ERJ3RBD101	M.RESISTOR CH 1/16W 100	1	
R5945	ERJ3RED470	M.RESISTOR CH 1/16W 47	1	
R5946	ERJ3RBD181	M.RESISTOR CH 1/16W 180	1	
R5947	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R5948	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5949	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R5950	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R6301	D1H84704A008	COMBI.R-R 47	1	
R6302	ERJ3RBD682	M.RESISTOR CH 1/16W 6.8K	1	
R6303	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R6304	ERJ3RBD561	M.RESISTOR CH 1/16W 560	1	
R6305	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R6306	ERJ3RBD561	M.RESISTOR CH 1/16W 560	1	
R6307	ERJ3RBD181	M.RESISTOR CH 1/16W 180	1	
R6308	ERJ3RBD121	M.RESISTOR CH 1/16W 120	1	
R6309	ERJ3RBD331	M.RESISTOR CH 1/16W 330	1	
R6310	ERJ3RBD561	M.RESISTOR CH 1/16W 560	1	
R6311	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R6312,13	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R6314	ERJ3RBD561	M.RESISTOR CH 1/16W 560	1	
R6315	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R6316	ERJ3RBD822	M.RESISTOR CH 1/16W 8.2K	1	
R6317	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R6318	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R6319	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R6320	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R6321,22	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R6323	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R6324,25	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R6326	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R6327	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R6328,29	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R6330	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R6331	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R6332	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R6333	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R6334	ERJ3RED680	M.RESISTOR CH 1/16W 68	1	
R6335	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R6336	ERJ3RBD272	M.RESISTOR CH 1/16W 2.7K	1	
R6337	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R6338	ERJ3GEYJ181	M.RESISTOR CH 1/16W 180	1	
R6339	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R6340,41	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R6342,43	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R6346,47	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	2	
R6348	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R6349	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R6350	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R6351	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R6352	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R6353	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R6354	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R6355	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R6356	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R6357	ERJ3RBD121	M.RESISTOR CH 1/16W 120	1	
R6358	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R6359	ERJ3RBD121	M.RESISTOR CH 1/16W 120	1	
R6360	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R6361,62	ERJ3RBD333	M.RESISTOR CH 1/16W 33K	2	
R6363	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R6364	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R6365	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R6366	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R6367	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R6368	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R6369	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R6370	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R6371	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R6372	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R6373	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R6375	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R6377	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R6379	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R6381	ERJ3RED470	M.RESISTOR CH 1/16W 47	1	
R6382	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R6383,84	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R6385,86	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R6387	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R6388,89	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	2	
R6390	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R6391	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R6392	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R6393	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R6394	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R6395	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R6396	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R6397	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R6398	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R6399	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R6400	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R6401	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R6402	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R6403	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R6404	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R6405	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R6406	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	1	
R6407	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R6408	ERJ3GEYJ271	M.RESISTOR CH 1/16W 270	1	
R6409	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R6410	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R6411	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R6412,13	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R6414,15	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R6416	ERJ3RBD471	M.RESISTOR CH 1/16W 470	1	
R6417,18	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R6419	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R6501	D1H84704A008	COMBI.R-R 47	1	
R6502	ERJ3RBD682	M.RESISTOR CH 1/16W 6.8K	1	
R6503	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R6504	ERJ3RBD561	M.RESISTOR CH 1/16W 560	1	
R6505	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R6506	ERJ3RBD561	M.RESISTOR CH 1/16W 560	1	
R6507	ERJ3RBD181	M.RESISTOR CH 1/16W 180	1	
R6508	ERJ3RBD121	M.RESISTOR CH 1/16W 120	1	
R6509	ERJ3RBD331	M.RESISTOR CH 1/16W 330	1	
R6510	ERJ3RBD561	M.RESISTOR CH 1/16W 560	1	
R6511	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R6512,13	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R6514	ERJ3RBD561	M.RESISTOR CH 1/16W 560	1	
R6515	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R6516	ERJ3RBD822	M.RESISTOR CH 1/16W 8.2K	1	
R6517	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R6518	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R6519	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R6520	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R6521,22	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R6523	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R6524,25	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R6526	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R6527	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R6528,29	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R6530	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R6531	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R6532	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R6533	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R6534	ERJ3RED680	M.RESISTOR CH 1/16W 68	1	
R6535	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R6536	ERJ3RBD272	M.RESISTOR CH 1/16W 2.7K	1	
R6537	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R6538	ERJ3GEYJ181	M.RESISTOR CH 1/16W 180	1	
R6539	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R6540,41	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R6542,43	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R6546,47	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	2	
R6548	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R6549	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R6550	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R6551	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R6552	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R6553	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R6554	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R6555	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R6556	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R6557	ERJ3RBD121	M.RESISTOR CH 1/16W 120	1	
R6558	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R6559	ERJ3RBD121	M.RESISTOR CH 1/16W 120	1	
R6560	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R6561,62	ERJ3RBD333	M.RESISTOR CH 1/16W 33K	2	
R6563	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R6564	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R6565	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R6566	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R6567	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R6568	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R6569	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R6570	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R6571	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R6572	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R6573	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R6575	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R6577	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R6579	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R6581	ERJ3RED470	M.RESISTOR CH 1/16W 47	1	
R6582	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R6583,84	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R6585,86	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R6587	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R6588,89	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	2	
R6590	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R6591	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R6592	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R6593	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R6594	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R6595	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R6596	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R6597	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R6598	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R6599	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R6600	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R6601	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R6602	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R6603	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R6604	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R6605	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R6606	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	1	
R6607	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R6608	ERJ3GEYJ271	M.RESISTOR CH 1/16W 270	1	
R6609	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R6610	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R6611	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R6612,13	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R6614,15	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R6616	ERJ3RBD471	M.RESISTOR CH 1/16W 470	1	
R6617,18	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R6619	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R6701	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R6702,03	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2	
R6704	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R6705,06	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R6707,08	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	2	
R6709	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R6710	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R6711	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R6712	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R6713	ERJ3GEYJ751	M.RESISTOR CH 1/16W 750	1	
R6714	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R6715	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R6716	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R6717	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R6720	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R6721	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R6722	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	
R6723	ERJ3RBD821	M.RESISTOR CH 1/16W 820	1	
R6724	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R6725	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R6726	ERJ3GEYJ123	M.RESISTOR CH 1/16W 12K	1	
R6729	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R6730,31	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	2	
R6732	ERJ3GEYJ753	M.RESISTOR CH 1/16W 75K	1	
R6733	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R6734	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R6735-37	D0GZ220J0001	M.RESISTOR CH 22	3	
R6739	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R6741-43	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R6746	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R6747	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R6748	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R6749	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R6750	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R6801	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R6802,03	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2	
R6804	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R6805,06	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R6807,08	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	2	
R6809	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R6810	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R6811	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R6812	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R6813	ERJ3GEYJ751	M.RESISTOR CH 1/16W 750	1	
R6814	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R6815	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R6816	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R6817	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R6820	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R6821	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R6822	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	
R6823	ERJ3RBD821	M.RESISTOR CH 1/16W 820	1	
R6824	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R6825	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R6826	ERJ3GEYJ123	M.RESISTOR CH 1/16W 12K	1	
R6828	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R6829	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R6830,31	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	2	
R6832	ERJ3GEYJ753	M.RESISTOR CH 1/16W 75K	1	
R6833	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R6834	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R6835-37	D0GZ220J0001	M.RESISTOR CH 22	3	
R6839	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R6841-43	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R6850	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
TG5101,02	EYF6CU	TEST POINT	2	
TP5101-04	EYF6CU	TEST POINT	4	
TP5301	EYF6CU	TEST POINT	1	
TP5501	EYF6CU	TEST POINT	1	
TP5701,02	EYF6CU	TEST POINT	2	
TP5801,02	EYF6CU	TEST POINT	2	
TP5901	EYF6CU	TEST POINT	1	
TP6301	EYF6CU	TEST POINT	1	
TP6501	EYF6CU	TEST POINT	1	
TP6701,02	EYF6CU	TEST POINT	2	
TP6801,02	EYF6CU	TEST POINT	2	
		MISCELLANEOUS		
	VML2143	CARD PULLER	1	
	VML2144	CARD PULLER	1	
	VSC4609	SHIELD CASE	4	
	VWZ0212	THERMAL CONDUCTIVE TUBE	4	
	XYN3+K6	SCREW	4	
	VMP6465	HEAT SINK HOLDER ANGLE B	2	
■ E9	VEP85208A	RF CUE P.C.BOARD	1	(RTL)
C4002	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C4004	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C4006	EEVHB1C220	E.CAPACITOR 16V 22U	1	
C4008	EEVHB1C100	E.CAPACITOR 16V 10U	1	
C4010,11	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	2	
C4012	ECUX1E273KBV	C.CAPACITOR CH 25V 0.027U	1	
C4013	ECHU1C822JB	P.CAPACITOR 16V 8200P	1	
C4014	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	1	
C4015,16	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C4018	ECUX1E223KBV	C.CAPACITOR CH 25V 0.023U	1	
C4020	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C4021,22	EEVHB1C220	E.CAPACITOR 16V 22U	2	
C4024	EEVHP1C100	E.CAPACITOR 16V 10U	1	
C4025	ECUX1H222KBV	C.CAPACITOR CH 50V 2200P	1	
C4026	EEVHB1C220	E.CAPACITOR 16V 22U	1	
C4028	VCC0030	C.CAPACITOR	1	
C4030,31	ECHS1682JZ	P.CAPACITOR 100V 6800P	2	
C4034-36	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C4037	EEVHB1C220	E.CAPACITOR 16V 22U	1	
C4038	EEVHB1C100	E.CAPACITOR 16V 10U	1	
C4039	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	1	
C4040	ECUX1H151JCV	C.CAPACITOR CH 50V 150P	1	
C4041	ECUX1E223KBV	C.CAPACITOR CH 25V 0.023U	1	
C4042	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C4043	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C4044	ECUX1H390JCV	C.CAPACITOR CH 50V 39P	1	
C4047,48	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C4049	EEVHB1C220	E.CAPACITOR 16V 22U	1	
C4050	ECUX1C473KBV	C.CAPACITOR CH 16V 0.047U	1	
C4051,52	ECHS1682JZ	P.CAPACITOR 100V 6800P	2	
C4053	ECUX1H221JCV	C.CAPACITOR CH 50V 220P	1	
C4055	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	1	
C5001-06	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	6	
C5011-15	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	5	
C5016-18	EEVHB1C470P	E.CAPACITOR 16V 47U	3	
C5101	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C5102	ECUX1H220JCV	C.CAPACITOR CH 50V 22P	1	
C5103	ECJ1VC1H181J	C.CAPACITOR CH 50V 180P	1	
C5104	ECUX1H030CCV	C.CAPACITOR CH 50V 3P	1	
C5105	ECUX1H050CCV	C.CAPACITOR CH 50V 5P	1	
C5106,07	ECUX1H030CCV	C.CAPACITOR CH 50V 3P	2	
C5108	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C5109	ECUX1H220JCV	C.CAPACITOR CH 50V 22P	1	
C5110	ECJ1VC1H181J	C.CAPACITOR CH 50V 180P	1	
C5111	ECUX1H030CCV	C.CAPACITOR CH 50V 3P	1	
C5112	ECUX1H050CCV	C.CAPACITOR CH 50V 5P	1	
C5113,14	ECUX1H030CCV	C.CAPACITOR CH 50V 3P	2	
C5115	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C5116	ECUX1H220JCV	C.CAPACITOR CH 50V 22P	1	
C5117	ECJ1VC1H181J	C.CAPACITOR CH 50V 180P	1	
C5118-21	ECUX1H030CCV	C.CAPACITOR CH 50V 3P	4	
C5122	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C5123	ECUX1H220JCV	C.CAPACITOR CH 50V 22P	1	
C5124	ECJ1VC1H181J	C.CAPACITOR CH 50V 180P	1	
C5125-28	ECUX1H030CCV	C.CAPACITOR CH 50V 3P	4	
C5201-08	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	8	
C5210	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C5211	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C5212,13	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	2	
C5214	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C5215,16	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C5217	ECUX1H820JCV	C.CAPACITOR CH 50V 82P	1	
C5218	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C5220	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C5222	ECUX1H121JCV	C.CAPACITOR CH 50V 120P	1	
C5224	EEFCD0J470R	E.CAPACITOR 6.3V 47U	1	
C5225,26	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C5401-08	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	8	
C5410	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C5411	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C5412,13	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	2	
C5414	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C5415,16	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C5417	ECUX1H820JCV	C.CAPACITOR CH 50V 82P	1	
C5418	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C5420	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C5422	ECUX1H121JCV	C.CAPACITOR CH 50V 120P	1	
C5424	EEFCD0J470R	E.CAPACITOR 6.3V 47U	1	
C5425,26	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C5601	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C5605-08	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	4	
C5609,10	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C5611,12	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	2	
C5613	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	1	
C5614-18	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	5	
C5619-22	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	4	
C5623,24	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C5625,26	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	2	
C5627	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	1	
C5628-32	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	5	
C5639-42	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	4	
C5643,44	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C5645,46	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	2	
C5647	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	1	
C5648-52	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	5	
C5653-56	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	4	
C5657,58	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C5659,60	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	2	
C5661	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	1	
C5662-66	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	5	
C5901	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C5903,04	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C5905	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C5907-09	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C5910	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C5911	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C5912	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	1	
C5913,14	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C5915	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	1	
C5916,17	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C5918	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	1	
C5919-21	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C5922	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C5924	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C5926,27	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C5928	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
D4001	MA142K	DIODE	1	
D4003	MA3X71600L	DIODE	1	
D4004,05	MA142K	DIODE	2	
D5001	MA142K	DIODE	1	
D5002	MA3J14300L	DIODE	1	
D5201-04	MA142WK	DIODE	4	
D5401-04	MA142WK	DIODE	4	
D5602	MA142WK	DIODE	1	
D5604	MA142WK	DIODE	1	
D5901,02	MA3X71600L	DIODE	2	
FL4001	EIR7QF012B	TRANSFORMER	1	
IC4001,02	C0ABBB000184	IC	2	
IC4003	NJM78L09UA	IC	1	C0CBAHC00002
IC4005	C0CBADD00003	IC	1	
IC4006	C0CBBDB00004	IC	1	
IC4007	NJM78L09UA	IC	1	C0CBAHC00002
IC5001	C0JBAZ001437	IC	1	
IC5002	C0JBAB000541	IC	1	
IC5003	TC4S30F	IC	1	C0JBAZ000429
IC5004,05	C0JBAA000175	IC	2	
IC5006,07	TC4S30F	IC	2	C0JBAZ000429
IC5009	C0JBAA000175	IC	1	
IC5201-04	TC4S30F	IC	4	C0JBAZ000429
IC5205	LT1175CS8	IC	1	
IC5401-04	TC4S30F	IC	4	C0JBAZ000429
IC5405	LT1175CS8	IC	1	
IC5603,04	UPC5102GS030	IC	2	C1ZBZ0001316
IC5607,08	UPC5102GS030	IC	2	C1ZBZ0001316
IC5901,02	C0CBADD00003	IC	2	
IC5903	C0CBBDB00004	IC	1	
L4001	VLQ0423J472	COIL 4700UH	1	
L4004	VLQ0651K181	COIL 180UH	1	G1C181KA0013
L4005	VLQ0651K391	COIL 390UH	1	G1C391KA0013
L5101-08	VLQ0163J2R2	COIL 2.2UH	8	G1C2R2J00009
L5201,02	VLQ0319K330	COIL 33UH	2	G1C330KA0002
L5401,02	VLQ0319K330	COIL 33UH	2	G1C330KA0002
L5901-07	VLF1151A132	COIL	7	
P4001	VJP2278	CONNECTOR (MALE)	1	K1KA09A00087
P5901	VJS3375B080	CONNECTOR (FEMALE)	1	K1KB80B00010
P5902	VJS3900A024	CONNECTOR (FEMALE)	1	
P5903	VJS3900C013	CONNECTOR (FEMALE)	1	K1MN13A00023
Q4001	2SB779-R	TRANSISTOR	1	
Q4003	2SD874-R	TRANSISTOR	1	
Q4005	2SB792-R	TRANSISTOR	1	
Q4006,07	2SD1149-R	TRANSISTOR	2	
Q4008,09	2SD1979	TRANSISTOR	2	
Q4010	2SB779-R	TRANSISTOR	1	
Q4011	2SD874-R	TRANSISTOR	1	
Q5001	2SB1218A0L	TRANSISTOR	1	
Q5002	2SD1819A0L	TRANSISTOR	1	
Q5101	2SB709A	TRANSISTOR	1	
Q5102,03	2SC3735B35	TRANSISTOR	2	
Q5104	2SB709A	TRANSISTOR	1	
Q5105,06	2SC3735B35	TRANSISTOR	2	
Q5107	2SB709A	TRANSISTOR	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
Q5108,09	2SC3735B35	TRANSISTOR	2	
Q5110	2SB709A	TRANSISTOR	1	
Q5111,12	2SC3735B35	TRANSISTOR	2	
Q5201-04	XP0150400L	TRANSISTOR	4	
Q5205,06	2SK508K512	TRANSISTOR	2	
Q5207,08	2SD1979	TRANSISTOR	2	
Q5209-11	2SC3935	TRANSISTOR	3	
Q5212,13	2SC4536	TRANSISTOR	2	
Q5214	2SC3935	TRANSISTOR	1	
Q5215	2SA153200L	TRANSISTOR	1	
Q5216	2SC4536	TRANSISTOR	1	
Q5401-04	XP0150400L	TRANSISTOR	4	
Q5405,06	2SK508K512	TRANSISTOR	2	
Q5407,08	2SD1979	TRANSISTOR	2	
Q5409-11	2SC3935	TRANSISTOR	3	
Q5412,13	2SC4536	TRANSISTOR	2	
Q5414	2SC3935	TRANSISTOR	1	
Q5415	2SA153200L	TRANSISTOR	1	
Q5416	2SC4536	TRANSISTOR	1	
Q5601-04	XP6534	TRANSISTOR-RESISTOR	4	
Q5605	XP4506	TRANSISTOR-RESISTOR	1	
Q5606,07	XP6534	TRANSISTOR-RESISTOR	2	
Q5608	XP4506	TRANSISTOR-RESISTOR	1	
Q5609,10	XP6534	TRANSISTOR-RESISTOR	2	
QR4001	UNR511300L	TRANSISTOR	1	
QR4003	UNR521300L	TRANSISTOR	1	
QR4005	UNR521300L	TRANSISTOR	1	
QR4006	UN5215	TRANSISTOR-RESISTOR	1	
QR4007,08	UNR511300L	TRANSISTOR	2	
QR4009,10	UNR521300L	TRANSISTOR	2	
QR5001-03	UNR511100L	TRANSISTOR	3	
QR5004	UNR521100L	TRANSISTOR	1	
QR5101-04	UNR521100L	TRANSISTOR	4	
QR5201-03	UNR511100L	TRANSISTOR	3	
QR5401-03	UNR511100L	TRANSISTOR	3	
R4001	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R4002	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	1	
R4003	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R4005	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	1	
R4006	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R4007	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R4009	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R4010	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R4011	ERJ8GEYJ1R0	M.RESISTOR CH 1/8W 1	1	
R4013	ERJ3GEYJ183	M.RESISTOR CH 1/16W 18K	1	
R4014	ERJ3GEYJ390	M.RESISTOR CH 1/16W 39	1	
R4017	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R4020	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	1	
R4021	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R4022	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R4023	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4025	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R4026	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R4027	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R4028	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4029	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R4030	ERJ3GEYJ1R0	M.RESISTOR CH 1/16W 1	1	
R4032	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R4033	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R4034	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R4035	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R4036	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R4037	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R4038	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R4039	ERJ8GEYJ1R0	M.RESISTOR CH 1/8W 1	1	
R4040	ERJ3RBD183	M.RESISTOR CH 1/16W 18K	1	
R4041	ERJ3GEYJ390	M.RESISTOR CH 1/16W 39	1	
R4042	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R4043,44	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	2	
R4045	ERJ3GEYJ124	M.RESISTOR CH 1/16W 120K	1	
R4046	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4047,48	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R4049	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R4050	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R4051	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4054	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R5001	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R5002	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R5003	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R5004,05	D1H84734A008	COMBI.R-R 47K	2	
R5006,07	D1H810140001	COMBI.R-R 100	2	
R5008	D1H84734A008	COMBI.R-R 47K	1	
R5009,10	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R5011,12	D1H810140001	COMBI.R-R 100	2	
R5013,14	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R5015	D1H810140001	COMBI.R-R 100	1	
R5017	D1H84734A008	COMBI.R-R 47K	1	
R5018	D1H810140001	COMBI.R-R 100	1	
R5019	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R5020	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	1	
R5021	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R5022	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R5023	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R5101	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R5102	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R5103	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R5104	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R5106	ERJ3RBD392	M.RESISTOR CH 1/16W 3.9K	1	
R5107	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R5108	ERJ3RED560	M.RESISTOR CH 1/16W 56	1	
R5109	ERJ6RED560	M.RESISTOR CH 1/10W 56	1	
R5110	ERJ3RED560	M.RESISTOR CH 1/16W 56	1	
R5111	ERJ3RBD392	M.RESISTOR CH 1/16W 3.9K	1	
R5112	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R5113	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R5114	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R5115	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R5116	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R5118	ERJ3RBD392	M.RESISTOR CH 1/16W 3.9K	1	
R5119	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R5120	ERJ3RED560	M.RESISTOR CH 1/16W 56	1	
R5121	ERJ6RED560	M.RESISTOR CH 1/10W 56	1	
R5122	ERJ3RED560	M.RESISTOR CH 1/16W 56	1	
R5123	ERJ3RBD392	M.RESISTOR CH 1/16W 3.9K	1	
R5124	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R5125	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R5126	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R5127	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R5128	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R5130	ERJ3RBD392	M.RESISTOR CH 1/16W 3.9K	1	
R5131	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R5132	ERJ3RED560	M.RESISTOR CH 1/16W 56	1	
R5133	ERJ6RED560	M.RESISTOR CH 1/10W 56	1	
R5134	ERJ3RED560	M.RESISTOR CH 1/16W 56	1	
R5135	ERJ3RBD392	M.RESISTOR CH 1/16W 3.9K	1	
R5136	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R5137	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R5138	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R5139	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R5140	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R5142	ERJ3RBD392	M.RESISTOR CH 1/16W 3.9K	1	
R5143	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R5144	ERJ3RED560	M.RESISTOR CH 1/16W 56	1	
R5145	ERJ6RED560	M.RESISTOR CH 1/10W 56	1	
R5146	ERJ3RED560	M.RESISTOR CH 1/16W 56	1	
R5147	ERJ3RBD392	M.RESISTOR CH 1/16W 3.9K	1	
R5148	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R5201	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R5202,03	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R5204-07	EXB24V472J	COMBI.R-R 4.7K	4	
R5208,09	ERJ6GEYG222	M.RESISTOR CH 1/10W 2.2K	2	D0GD222JA003
R5210	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R5211,12	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R5217,18	ERJ6GEYG222	M.RESISTOR CH 1/10W 2.2K	2	D0GD222JA003
R5219,20	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	2	
R5221-23	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	3	
R5224	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R5225	ERJ3RED820	M.RESISTOR CH 1/16W 82	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R5227	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R5228	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R5230	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R5231	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R5232,33	ERJ3GEYJ150	M.RESISTOR CH 1/16W 15	2	
R5234	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R5235	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R5236-38	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	3	
R5239,40	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	2	
R5241,42	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R5243	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R5244	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	1	
R5245,46	ERJ3RED820	M.RESISTOR CH 1/16W 82	2	
R5247	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R5248	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	1	
R5249,50	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	2	
R5251	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R5252	ERJ12YJ270	M.RESISTOR CH 1/2W 270	1	
R5253-56	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	4	
R5401	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R5402,03	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R5404-07	EXB24V472J	COMBI.R-R 4.7K	4	
R5408,09	ERJ6GEYG222	M.RESISTOR CH 1/10W 2.2K	2	D0GD222JA003
R5410	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R5411,12	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R5417,18	ERJ6GEYG222	M.RESISTOR CH 1/10W 2.2K	2	D0GD222JA003
R5419,20	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	2	
R5421-23	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	3	
R5424	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R5425	ERJ3RED820	M.RESISTOR CH 1/16W 82	1	
R5427	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R5428	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R5430	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R5431	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R5432,33	ERJ3GEYJ150	M.RESISTOR CH 1/16W 15	2	
R5434	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R5435	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R5436-38	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	3	
R5439,40	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	2	
R5441,42	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R5443	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R5444	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	1	
R5445,46	ERJ3RED820	M.RESISTOR CH 1/16W 82	2	
R5447	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R5448	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	1	
R5449,50	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	2	
R5451	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R5452	ERJ12YJ270	M.RESISTOR CH 1/2W 270	1	
R5453-56	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	4	
R5602	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R5603,04	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R5605,06	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R5607,08	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	2	
R5609	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R5610,11	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R5612	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R5613,14	ERJ3RBD821	M.RESISTOR CH 1/16W 820	2	
R5615,16	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R5617	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R5618,19	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R5620,21	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R5622,23	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	2	
R5624	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R5625,26	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R5627	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R5628,29	ERJ3RBD821	M.RESISTOR CH 1/16W 820	2	
R5630,31	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R5632	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R5633,34	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R5635,36	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R5637,38	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R5639,40	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	2	
R5641	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R5642,43	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R5644	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R5645,46	ERJ3RBD821	M.RESISTOR CH 1/16W 820	2	
R5647,48	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R5649	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R5650,51	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R5652,53	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R5654,55	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R5656,57	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	2	
R5658	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R5659,60	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R5661	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R5662,63	ERJ3RBD821	M.RESISTOR CH 1/16W 820	2	
R5664,65	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
RY4001	VSY2176	RELAY	1	K6B2CDA00045
RY5001	VSY2176	RELAY	1	K6B2CDA00045
T4001	VLT0729	TRANSFORMER	1	G4ZZ00000358
T4003	VLT0729	TRANSFORMER	1	G4ZZ00000358
TG4001	EYF6CU	TEST POINT	1	
TG5901	EYF6CU	TEST POINT	1	
TP4001,02	EYF6CU	TEST POINT	2	
TP4005,06	EYF6CU	TEST POINT	2	
VR4001	EVMEGSA00B15	V.RESISTOR 100K	1	
		MISCELLANEOUS		
	VMP5846	RF HOLDER ANGLE	1	
	VYQ1745	SHIELD CASE (UPPER) ASS'Y	1	
	VSC4933	SHILD HOLDER ANGLE	1	
	VSC4934	SHIELD ANGLE	1	
	VSC4928	EARTH FINGER	1	
	XSN26+3	SCREW	1	
	VSC4386	RF SHIELD CASE (MIDDLE)	1	
	XTV3+6FFR	SCREW	2	
	VSC4437	RF SHIELD CASE (LOWER)	1	
	VMZ3241	RF BARRIER	1	
■ E10	VEP80C41A	MOTHER P.C.BOARD	1	(RTL)
C1,C2	ECA1CHG682	E.CAPACITOR 16V 6800U	2	
D1	21DQ04	DIODE	1	B0JAME000021
L1,L2	VLP0017	COIL	2	J0JHB0000010
P1-15	K1KB96A00048	CONNECTOR (FEMALE)	15	
P16	VJP3375A080	CONNECTOR (MALE)	1	K1KA80A00054
P17	VJS3814	CONNECTOR (FEMALE)	1	K1KB96A00037
P18,19	K1KA08A00283	CONNECTOR (MALE)	2	
P20	K1KB30B00028	CONNECTOR (FEMALE)	1	
P21	VJP3510	CONNECTOR (MALE)	1	K1KAC8B00004
		MISCELLANEOUS		
	VKC0392	SPACER	1	
	VMP6815	JACK PB GUIDE ANGLE (B)	1	
	VMP6817	MOTHER ANGLE (B)	1	
	VMP6816	MOTHER ANGLE (A)	1	
	VMP6824	MOTHER ANGLE (C)	1	
	XYE3+EF8FZ	SCREW	8	
	XTV3+6F	SCREW	2	
	VMX2541	P.C.BOARD SPACER	1	
	XYN26+C12	SCREW	4	
	XNG26EFXS	NUT	4	

Components identified with the mark ⚠ have the special characterisitics for safety.
When replacing any of these components, use onlly the same type.

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
■ E11	VEP82239A	MECHA IF P.C.BOARD	1	(RTL)
C1,C2	ECUX1H103ZFV	C.CAPACITOR CH 50V 0.01U	2	
C3	ECUX1H561JCV	C.CAPACITOR CH 50V 560P	1	
C4	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C5	EEVHB1C220	E.CAPACITOR 16V 22U	1	
C6	ECUX1H103ZFV	C.CAPACITOR CH 50V 0.01U	1	
C8	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C9,10	ECUX1H103ZFV	C.CAPACITOR CH 50V 0.01U	2	
C11,12	EEVHB1C470P	E.CAPACITOR 16V 47U	2	
C14,15	ECUX1H103ZFV	C.CAPACITOR CH 50V 0.01U	2	
C16	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C17	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C151-59	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	9	
C160-63	EEVHB1C470P	E.CAPACITOR 16V 47U	4	
C164,65	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C201-03	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	3	
D1	MA147	DIODE	1	
D153,54	MA3X71600L	DIODE	2	
IC1,C2	0P177GS	IC	2	
IC3	C0ABBB000124	IC	1	
IC4-C6	NJM4558M	IC	3	C0ABBB000044
IC151	NJM78L09UA	IC	1	C0CBAHC00002
IC152	NJM79L09UA	IC	1	C0CABBF00001
IC153-55	C0JBAZ000608	IC	3	
IC156,57	C0JBAQ000080	IC	2	
L151,52	VLF1151A132	COIL	2	
P11	VJP3172D002	CONNECTOR (MALE)	1	K1KA02B00051
P12	VJP3172D005	CONNECTOR (MALE)	1	K1KA05B00053
P13	VJP3172D002	CONNECTOR (MALE)	1	K1KA02B00051
P14	VJP3172D003	CONNECTOR (MALE)	1	K1KA03B00006
P15	K1KA02B00075	CONNECTOR (MALE)	1	
P16	K1KA03B00102	CONNECTOR (MALE)	1	
P17	VJS3801D015	CONNECTOR (FEMALE)	1	
P18	K1KA02B00075	CONNECTOR (MALE)	1	
P19	VJP3172D002	CONNECTOR (MALE)	1	K1KA02B00051
P20	K1KA03B00102	CONNECTOR (MALE)	1	
P21	K1KA02B00075	CONNECTOR (MALE)	1	
P22	VJP3172D004	CONNECTOR (MALE)	1	K1KA04B00007
P24	K1KA02B00075	CONNECTOR (MALE)	1	
P25	K1KA03A00017	CONNECTOR (MALE)	1	
P26	VJP1236T	CONNECTOR (MALE) 9P	1	K1KA09A00023
P30	VJP3172D003	CONNECTOR (MALE)	1	K1KA03B00006
P32	VJP3172D004	CONNECTOR (MALE)	1	K1KA04B00007
P33	K1MN15B00033	CONNECTOR	1	
P34,35	VJS2889A017	CONNECTOR (FEMALE)	2	K1MN17A00008
P36	K1MN19B00007	CONNECTOR	1	
P48	VJP3125B002	CONNECTOR (MALE)	1	K1KA02B00111
P151	VJS2899A096	CONNECTOR (FEMALE)	1	K1KB96A00035
Q1	2SB1218A-R	TRANSISTOR	1	
Q101-08	B1DZED000002	TRANSISTOR	8	
QR101-12	UNR521300L	TRANSISTOR	12	
R1,R2	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	2	
R5	ERJ3RBD104	M.RESISTOR CH 1/16W 100K	1	
R6	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	1	
R7,R8	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	2	
R9	ERJ3RBD562	M.RESISTOR CH 1/16W 5.6K	1	
R10	ERJ3RBD823	M.RESISTOR CH 1/16W 82K	1	
R11	ERJ3RBD273	M.RESISTOR CH 1/16W 27K	1	
R12	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R13	ERJ3RBD682	M.RESISTOR CH 1/16W 6.8K	1	
R14	ERJ3RBD473	M.RESISTOR CH 1/16W 47K	1	
R15	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	1	
R16	ERJ3RBD562	M.RESISTOR CH 1/16W 5.6K	1	
R17	ERJ3RBD392	M.RESISTOR CH 1/16W 3.9K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R18	ERJ3RBD391	M.RESISTOR CH 1/16W 390	1	
R19	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R20	ERJ3RBD333	M.RESISTOR CH 1/16W 33K	1	
R21	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R22	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R23	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R24	ERJ3RBD562	M.RESISTOR CH 1/16W 5.6K	1	
R25	ERJ3RBD473	M.RESISTOR CH 1/16W 47K	1	
R26	ERJ3RBD183	M.RESISTOR CH 1/16W 18K	1	
R27	ERJ3RBD473	M.RESISTOR CH 1/16W 47K	1	
R101-04	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	4	
R105-07	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	3	
R108,09	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	2	
R110	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R111,12	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	2	
R113-16	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	4	
R151-64	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	14	
R165	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R166,67	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R168,69	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R201,02	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	2	
VR1	EVMECSA00B24	V.RESISTOR 20K	1	
VR2	EVMECSA00B54	V.RESISTOR 50K	1	
VR201,02	EVMECSA00B24	V.RESISTOR 20K	2	
■ E12	VEP82247A	MECHA IF 2 P.C.BOARD	1	(RTL)
P1001,02	VJP3454B096	CONNECTOR (MALE)	2	K1KA96B00021
		MISCELLANEOUS		
	VMP6808	CONNECTION PB ANGLE	1	
	XTV3+6F	SCREW	2	
■ E13	VEP81221C	POWER 1 P.C.BOARD	1	(RTL)
C1002,03	ECJ2VF1H104Z	C.CAPACITOR CH 50V 0.1U	2	
C1004	ECHU1H471GB	P.CAPACITOR 50V 470P	1	
C1005	ECUM1C104KBN	C.CAPACITOR CH 16V 0.1U	1	
C1006	ECA1HXL010	E.CAPACITOR 50V 1U	1	
C1007	ECQE6473KF	P.CAPACITOR 630V 0.047U	1	
C1008	VCK0106K221	C.CAPACITOR 220P	1	
C1009	ECUM1E224KBN	C.CAPACITOR CH 25V 0.22U	1	
C1010	ECUX1H562KBV	C.CAPACITOR CH 50V 5600P	1	
C1011	ECA1VXL470	E.CAPACITOR 35V 47U	1	
C1012	ECA1HXL330	E.CAPACITOR 50V 33P	1	
C1015	ECJ2VF1H104Z	C.CAPACITOR CH 50V 0.1U	1	
C1017	ECJ2VB1H332K	C.CAPACITOR CH 50V 3300P	1	
C1101	ECA1HXL100	E.CAPACITOR 50V 10U	1	
⚠ C1107	ECQU2A474ML	P.CAPACITOR 100V 0.47U	1	
⚠ C1109	VCK0262M102A	C.CAPACITOR 1000P	1	F1BAH1020001
C1110,11	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	2	
C1114	ECUM1E474ZFM	C.CAPACITOR CH 25V 0.47U	1	
C1116	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C1117	ECJ2VF1H104Z	C.CAPACITOR CH 50V 0.1U	1	
C1119	ECQV1H684JF	P.CAPACITOR 50V 0.68U	1	
⚠ C1120	VCK0262M102A	C.CAPACITOR 1000P	1	F1BAH1020001
C1122	ECJ2VF1H104Z	C.CAPACITOR CH 50V 0.1U	1	
C1123	ECQE2W225KC	P.CAPACITOR 450V 2.2U	1	
C1124	EEUFC1H121L	E.CAPACITOR 50V 120U	1	
C1125	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	1	F1J1C105A083
C1126	ECUX1H392KBV	C.CAPACITOR CH 50V 3900P	1	
C1127	ECJ2VF1H104Z	C.CAPACITOR CH 50V 0.1U	1	
C1128	ECQF6222JZH	P.CAPACITOR 630V 2200P	1	

Components identified with the mark ⚠ have the special characterisitics for safety.
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Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C1129	ECJ2VF1H104Z	C.CAPACITOR CH 50V 0.1U	1	
C1130,31	VCK0106K471	C.CAPACITOR 470P	2	
C1132	ECUX1H472KBV	C.CAPACITOR CH 50V 4700P	1	
C1133,34	VCK0106K471	C.CAPACITOR 470P	2	
C1135	ECEC2WC151CB	E.CAPACITOR 450V 150P	1	
C1138	ECA1HXL220	E.CAPACITOR 50V 22U	1	
⚠ C1139	VCK0262M102A	C.CAPACITOR 1000P	1	F1BAH1020001
C1140	ECJ2VF1H104Z	C.CAPACITOR CH 50V 0.1U	1	
C1201-10	ECQE6473KF	C.CAPACITOR 1000P	10	
C1211-14	EEUFC1A682	E.CAPACITOR 10V 6800U	4	
C1215	EEUFC1E182	E.CAPACITOR 25V 1800U	1	
C1217	ECUM1E224KBN	C.CAPACITOR CH 25V 0.22U	1	
C1218	EEUFC1A682	E.CAPACITOR 10V 6800U	1	
C1219,20	EEUFC1E102LE	E.CAPACITOR 25V 1000U	2	
C1221	EEUFC1A682	E.CAPACITOR 10V 6800U	1	
C1222	ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	1	
C1223	ECA1EXL101	E.CAPACITOR 25V 100U	1	
C1224-26	ECA1CXL101	E.CAPACITOR 16V 100U	3	
C1227,28	ECA1EXL101	E.CAPACITOR 25V 100U	2	
C1229,30	ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	2	
C1231	ECA1CXL101	E.CAPACITOR 16V 100U	1	
C1232	ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	1	
C1233	ECJ2VF1H104Z	C.CAPACITOR CH 50V 0.1U	1	
C1234	ECA1HXL100	E.CAPACITOR 50V 10U	1	
C1235	ECA1HXL2R2	E.CAPACITOR 50V 2.2U	1	
C1236,37	ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	2	
C1239	ECUX1H151JCV	C.CAPACITOR CH 50V 150P	1	
C1240,41	ECQE6473KF	C.CAPACITOR 1000P	2	
C1242	ECJ2VF1H104Z	C.CAPACITOR CH 50V 0.1U	1	
C1243	ECA1EXL101	E.CAPACITOR 25V 100U	1	
C1244	ECUX1H221JCV	C.CAPACITOR CH 50V 220P	1	
D1001	MA142WA	DIODE	1	
D1002	MA142K	DIODE	1	
D1003	MA3240-H	DIODE	1	
D1005	EG01C	DIODE	1	B0HAGV000001
D1006	MA3051-M	DIODE	1	MAZ30510ML
D1007	SFPL-52	DIODE	1	
D1008	MA3200-M	DIODE	1	
D1009,10	SFPL-52	DIODE	2	
D1013	SFPL-52	DIODE	1	
D1101,02	MA3200-M	DIODE	2	
D1103	MA3068-M	DIODE	1	
D1104	MA142K	DIODE	1	
D1105,06	B0AAMT000002	DIODE	2	
D1107	MA142K	DIODE	1	
D1108	MA1070400L	DIODE	1	
D1109	RBV606	DIODE	1	
D1110	MA2P701A0L	DIODE	1	
D1111,12	MA3200-M	DIODE	2	
D1113-15	SFPL-52	DIODE	3	
D1116	MA3068-M	DIODE	1	
D1117	MA142K	DIODE	1	
D1118	FML-G26S	DIODE	1	
D1119,20	B0AAMT000002	DIODE	2	
D1201	D5S9M	DIODE	1	B0JARK000009
D1202,03	FML-G12SP	DIODE	2	
D1204	D20LC20U	DIODE	1	B0HBSM000021
D1205	FML-G12SP	DIODE	1	
D1206	MA142WA	DIODE	1	
D1207	FML-G12SP	DIODE	1	
D1208	MA142K	DIODE	1	
D1209	MA3160-L	DIODE	1	
D1210	MA142K	DIODE	1	
D1211	MA3100-M	DIODE	1	
D1212	MA3051-M	DIODE	1	MAZ30510ML
D1213	MA3240-H	DIODE	1	
D1214	MA3160-L	DIODE	1	
D1215	MA3100-M	DIODE	1	
D1216	MA142K	DIODE	1	
D1218	MA142K	DIODE	1	
D1219	MA3027-H	DIODE	1	
D1221	MA3027-H	DIODE	1	
D1222-24	MA142K	DIODE	3	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
IC1001	FA5311BP	IC	1	C0DAAZZ00002
IC1101	MC33262P	IC	1	C0DAZZZ00013
IC1102	M51945BL	IC	1	C0EAB0000004
IC1103	M51951BL	IC	1	C0EAH0000030
IC1201	UPC1944J	IC	1	C0DAZLB00001
IC1202	C0DAEZH00010	IC	1	
IC1203	UPC1093J	IC	1	C0DAEMC00002
IC1204	C0BBBA000019	IC	1	
IC1205	PQ30RV31	IC	1	
L1001	VLP0074	COIL	1	J0JDB0000002
⚠ L1102,03	ELF21N020A	FILTER	2	
L1104	VLQ0820	COIL	1	
L1201	VLQ0655K220	COIL 22UH	1	
L1202	VLQ0826M4R7	COIL 4.7UH	1	
L1203	VLQ0826M100	COIL 10UH	1	
L1204,05	VLQ0826K220	COIL 22UH	2	
L1206	VLQ0655K220	COIL 22UH	1	
P1103	VJP2638	CONNECTOR (MALE)	1	K1KA02A00112
P1201,02	K1KB08A00077	CONNECTOR (FEMALE)	2	
Q1001	B1DEFV000001	TRANSISTOR	1	
⚠ Q1002-04	B3QAZ0000030	PHOTO COUPLER	3	
Q1101	2SJ278	TRANSISTOR	1	
Q1102	TM1661S-L	DIODE	1	
Q1103	B1DEGR000013	TRANSISTOR	1	
Q1201	XN4501	TRANSISTOR-RESISTOR	1	
Q1202	XN0440100L	TRANSISTOR	1	
Q1203	XN4501	TRANSISTOR-RESISTOR	1	
QR1001	UNR221300L	TRANSISTOR	1	
QR1002	UN2111	TRANSISTOR-RESISTOR	1	
QR1101	UNR211200L	TRANSISTOR	1	
QR1102	UN2215	TRANSISTOR-RESISTOR	1	
QR1103	UN2113	TRANSISTOR-RESISTOR	1	
QR1104,05	UNR221300L	TRANSISTOR	2	
QR1201	UN2211	TRANSISTOR-RESISTOR	1	
QR1202	UN2214	TRANSISTOR-RESISTOR	1	UNR221400L
QR1203	UN2111	TRANSISTOR-RESISTOR	1	
QR1204	UN2214	TRANSISTOR-RESISTOR	1	UNR221400L
QR1205	UN2111	TRANSISTOR-RESISTOR	1	
QR1206,07	UNR221300L	TRANSISTOR	2	
R1002	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
⚠ R1003	VRT0142	THERMISTOR	1	D4DDB3310005
R1004	ERW1PKR33	W.RESISTOR 1W 0.33	1	
R1005	ERJ3GEYJ334	M.RESISTOR CH 1/16W 330K	1	
R1006	ERJ6GEYG104	M.RESISTOR CH 1/10W 100K	1	
R1007	ERJ3GEYJ225	M.RESISTOR CH 1/16W 2.2M	1	
R1008,09	ERG3SJ333	M.RESISTOR 3W 33K	2	
R1010	ERG2SJ180	M.RESISTOR 2W 18	1	
R1011	ERJ6RBD241	M.RESISTOR CH 1/10W 240	1	
R1012	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R1013	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R1014	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R1015	ERJ12YJ220	M.RESISTOR CH 1/2W 22	1	
R1016,17	ERJ12YJ224	M.RESISTOR CH 1/2W 220K	2	
R1018	ERJ6RBD221	M.RESISTOR CH 1/10W 220	1	
R1019	ERJ3GEYJ183	M.RESISTOR CH 1/16W 18K	1	
R1020	ERJ6GEYG154	M.RESISTOR CH 1/10W 150K	1	
R1021	ERJ14YJ100	M.RESISTOR CH 1/4W 10	1	
R1022	ERJ14YJ4R7	M.RESISTOR CH 1/4W 4.7	1	
R1101,02	ERG3SJ333	M.RESISTOR 3W 33K	2	
R1103	ERJ6RBD273	M.RESISTOR CH 1/10W 27K	1	
R1104	ERJ6RBD183	M.RESISTOR CH 1/10W 18K	1	
R1105	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	D0YDR0000005
R1107	ERJ3RED224	M.RESISTOR CH 1/16W 220K	1	
R1108	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R1109	ERJ3GEYJ474	M.RESISTOR CH 1/16W 470K	1	
R1110	ERJ3RED334	M.RESISTOR CH 1/16W 330K	1	
R1112-14	ERJ12YJ224	M.RESISTOR CH 1/2W 220K	3	
R1115,16	ERJ6GEYG221	M.RESISTOR CH 1/10W 220	2	D0GD221JA003
R1117,18	ERJ14YJ474	M.RESISTOR CH 1/4W 470K	2	
R1119	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002

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Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R1121,22	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	2	
R1123,24	ERJ12YJ683	M.RESISTOR CH 1/2W 63K	2	
⚠ R1125	ERU5TEJ100	F.RESISTOR 5W 10	1	
R1127-30	ERJ12YJ683	M.RESISTOR CH 1/2W 63K	4	
R1131	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R1132	ERG2SJ221	M.RESISTOR 2W 220	1	
R1133	ERJ6GEYF123	M.RESISTOR CH 1/10W 12K	1	
R1134	ERJ3RBD822	M.RESISTOR CH 1/16W 8.2K	1	
R1135	ERJ12YJ100	M.RESISTOR CH 1/2W 10	1	
R1136	ERJ6GEYG221	M.RESISTOR CH 1/10W 220	1	D0GD221JA003
R1137	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	D0YDR0000005
R1139	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R1140	ERJ14YJ100	M.RESISTOR CH 1/4W 10	1	
R1141	ERJ14YJ220	M.RESISTOR CH 1/4W 22	1	
R1142,43	ERJ12YJ224	M.RESISTOR CH 1/2W 220K	2	
R1144	ERJ12YJ154	M.RESISTOR CH 1/2W 150K	1	
R1145	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R1146	ERJ12YJ472	M.RESISTOR CH 1/2W 4.7K	1	
R1147	ERG2SJ220	M.RESISTOR 2W 22	1	
R1148	ERF2TKR15	W.RESISTOR 2W 0.15	1	
R1150-52	ERJ12YJ154	M.RESISTOR CH 1/2W 150K	3	
R1153	ERJ6RBD272	M.RESISTOR CH 1/10W 2.7K	1	
R1154	ERJ6GEYG104	M.RESISTOR CH 1/10W 100K	1	
R1155	ERG2SJ220	M.RESISTOR 2W 22	1	
R1161	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R1165	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R1167-69	ERJ12YJ154	M.RESISTOR CH 1/2W 150K	3	
R1201	ERJ6GEYG121	M.RESISTOR CH 1/10W 120	1	D0GD121JA003
R1202,03	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R1204-08	ERG2SJ220	M.RESISTOR 2W 22	5	
R1209	ERJ6GEYG332	M.RESISTOR CH 1/10W 3.3K	1	D0GD332JA003
R1210,11	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R1212	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R1213	ERJ3GEYJ362	M.RESISTOR CH 1/16W 3.6K	1	
R1214	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R1215	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R1216,17	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R1218,19	ERJ3GEYJ121	M.RESISTOR CH 1/16W 120	2	
R1220	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R1221	ERJ3GEYJ121	M.RESISTOR CH 1/16W 120	1	
R1222	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R1223	ERJ3RBD621	M.RESISTOR CH 1/16W 620	1	
R1224	ERJ3GEYJ121	M.RESISTOR CH 1/16W 120	1	
R1225	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R1226	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
⚠ R1227	VRT0033	THERMISTOR	1	D4DDB3310004
R1228,29	ERJ3GEYJ121	M.RESISTOR CH 1/16W 120	2	
R1230	ERX2SZJR10	M.RESISTOR 2W 0.1	1	
R1231	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R1232	ERX2SZJR10	M.RESISTOR 2W 0.1	1	
R1233	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R1234	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R1235	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R1237-39	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	D0GB103JA002
R1240	ERJ3GEYJ224	M.RESISTOR CH 1/16W 220K	1	
R1241	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R1242	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R1244	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	D0YDR0000005
R1245	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R1247	ERG2SJ470	M.RESISTOR 2W 47	1	
R1248	ERG2SJ221	M.RESISTOR 2W 220	1	
R1249	ERJ3RBD822	M.RESISTOR CH 1/16W 8.2K	1	
R1250,51	ERJ12YJ224	M.RESISTOR CH 1/2W 220K	2	
R1252	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R1253	ERG2SJ220	M.RESISTOR 2W 22	1	
R1254	ERJ3RBD391	M.RESISTOR CH 1/16W 390	1	
R1255	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
⚠ T1001	ETS42AE326AD	TRANSFORMER	1	
VR1102	EVMEASA00B52	V.RESISTOR 500	1	
VR1201	EVMEASA00B13	V.RESISTOR 1K	1	
		MISCELLANEOUS		

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
	VJR1008	EARTH LUG	4	
⚠	VMZ1608	CAPACITOR TUBE	3	
	VSC5221	HEAT SINK (A)	1	
	VSC5433	HEAT SINK (B)	1	
	VLP0336	FERRITE CORE	4	
	VLP0394	FERRITE BEAD	3	J0KE00000032
	VMZ2919	BARRIER	1	
	XYN3+F6FZS	SCREW	6	
	XYN3+F8FZS	SCREW	8	
	XYN3+F10	SCREW	4	
	VJF1348	CLAMPER	1	
	VSC4780	HEAT SINK (D)	1	
	VMZ3305	POWER COMMUTATION SHEET	1	
■ E14	VEP81222A	POWER 2 P.C.BOARD	1	(RTL)
⚠ C1502	F1BAH101A001	C.CAPACITOR 100P	1	
⚠ C1503	ECQU2A224ML	P.CAPACITOR 100V 0.22U	1	
⚠ C1504	F1BAH101A001	C.CAPACITOR 100P	1	
⚠ L1501	ELF19N020A	FILTER	1	
⚠ P1501	VJS2985	CONNECTOR (FEMALE)	1	K2AH3H000012
P1502	VJP2638	CONNECTOR (MALE)	1	K1KA02A00112
⚠ R1506	ERC12AGM334C	S.RESISTOR 1/2W 33K	1	
		MISCELLANEOUS		
⚠	VMZ1608	CAPACITOR TUBE	2	
	EYF52BC	FUSE HOLDER	2	
⚠	VSF0106C31H	FUSE	1	
	VJR1008	EARTH LUG	2	
	VEE9627	FG CABLE	1	
⚠	VMP6812	AC IN HOLDER ANGLE	1	
	XSN3+6FZ	SCREW	2	
	XYN3+F8	SCREW	2	
	XYN4+E6VW	SCREW	1	
⚠	VMZ0429	FUSE COVER	1	
■ E15	VEP80C40A	AV JACK P.C.BOARD	1	(RTL)
C100	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C101	EEAHB1C470B	E.CAPACITOR 16V 47U	1	
C102,03	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C104	EEAHB1C470B	E.CAPACITOR 16V 47U	1	
C105-07	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C108	EEAHB1C470B	E.CAPACITOR 16V 47U	1	
C109,10	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C111	EEAHB1C470B	E.CAPACITOR 16V 47U	1	
C200	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	1	
C201	EEAHB1C470B	E.CAPACITOR 16V 47U	1	
C202	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	1	
C203	EEAHB1C470B	E.CAPACITOR 16V 47U	1	
C204,05	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C206,07	EEAHB1C470B	E.CAPACITOR 16V 47U	2	
C300-09	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	10	
C400,01	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	2	
C402,03	EEAHB1C470B	E.CAPACITOR 16V 47U	2	
C404-09	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	6	
C410,11	EEAHB1C470B	E.CAPACITOR 16V 47U	2	
C412,13	ECUX1H270JCV	C.CAPACITOR CH 50V 27P	2	
C414,15	ECUX1H222KBV	C.CAPACITOR CH 50V 2200P	2	
C416,17	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C418-25	EEAHB1C470B	E.CAPACITOR 16V 47U	8	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C500	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C501-16	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	16	
C517	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C518-24	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	7	
C526-29	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C601-03	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
D100	MA3X71600L	DIODE	1	
IC100	NJM78L09UA	IC	1	C0CBAHC00002
IC101	NJM79L09UA	IC	1	C0CABBF00001
IC200	C0CBBDB00004	IC	1	
IC201	C0CBADD00003	IC	1	
IC400	C0CBADD00003	IC	1	
IC401	C0CBBDB00004	IC	1	
IC402,03	C0JBAB000243	IC	2	
IC404,05	NJM360M	IC	2	C0BBZB000001
IC500	C0JBAQ000168	IC	1	
IC501	SN74S1051NS	IC	1	
IC502	C0JBAB000542	IC	1	
IC503	C0JBAQ000168	IC	1	
IC504,05	C0JBAZ001935	IC	2	
IC601	C0JBAN000168	IC	1	
IC602	C0JBAZ001936	IC	1	
IC603	C0JBAN000168	IC	1	
J200-03	VJS3902	CONNECTOR (FEMALE)	4	K1CB204H0002
J300-03	K1AB103A0007	CONNECTOR (MALE)	4	
J304-09	VJP3417	CONNECTOR (MALE)	6	K1AA103A0003
J310	K1AB103A0007	CONNECTOR (MALE)	1	
J311	VJP3417	CONNECTOR (MALE)	1	K1AA103A0003
J400	VJS3902	CONNECTOR (FEMALE)	1	K1CB204H0002
L100,01	VLF1151A132	COIL	2	
L312,13	VLP0145	COIL	2	
L317	VLP0145	COIL	1	
L319	VLP0145	COIL	1	
L321	VLP0145	COIL	1	
L323	VLP0145	COIL	1	
L325	VLP0145	COIL	1	
L327	VLP0145	COIL	1	
L329	VLP0145	COIL	1	
L331-43	VLP0145	COIL	13	
L346,47	VLP0145	COIL	2	
L400,01	VLQ0319K470	COIL 47UH	2	G1C470K00013
L402,03	VLQ0426J120	COIL 12UH	2	G1C120J00005
P100	VJS3510	CONNECTOR (FEMALE)	1	K1KBC8A00003
P101	VJP3414A015	CONNECTOR (MALE)	1	K1FB115A0008
P102,03	VJP3414A009	CONNECTOR (MALE)	2	K1FB109A0016
P104	VJP3414A025	CONNECTOR (MALE)	1	K1FB125A0011
P105	VJP1243T	CONNECTOR (MALE) 3P	1	K1KA03B00012
P200	VJS3901	CONNECTOR (FEMALE)	1	K1CB204H0004
P400	VJS3901	CONNECTOR (FEMALE)	1	K1CB204H0004
P500	VJP3414A025	CONNECTOR (MALE)	1	K1FB125A0011
P600	K1FA108A0003	CONNECTOR (MALE)	1	
Q200,01	2SC2295	TRANSISTOR	2	
Q400-02	2SC3930	TRANSISTOR	3	
Q403	2SA153200L	TRANSISTOR	1	
Q404	2SC3930	TRANSISTOR	1	
Q405	2SA153200L	TRANSISTOR	1	
Q406	2SC3930	TRANSISTOR	1	
Q407	2SA153200L	TRANSISTOR	1	
Q408	2SC3930	TRANSISTOR	1	
Q409	2SA153200L	TRANSISTOR	1	
Q500-05	XN1214	TRANSISTOR-RESISTOR	6	
R200-02	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	3	D0YDR0000005
R203-05	ERJ6GEYJ820	M.RESISTOR CH 1/10W 82	3	
R206	ERJ6RED750	M.RESISTOR CH 1/10W 75	1	
R207	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	1	
R208	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R209	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R210	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R211	ERJ6RED750	M.RESISTOR CH 1/10W 75	1	
R212-17	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	6	D0YDR0000005
R218	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	1	
R219	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R220	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R221	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R400,01	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	2	D0YDR0000005
R402-05	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	4	
R406,07	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R408,09	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	2	
R410,11	ERJ3GEYJ820	M.RESISTOR CH 1/16W 82	2	
R412,13	ERJ6GEYG471	M.RESISTOR CH 1/10W 470	2	
R414-19	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	6	
R420	ERJ6GEYG330	M.RESISTOR CH 1/10W 33	1	
R421,22	ERJ6GEYJ4R7	M.RESISTOR CH 1/10W 4.7K	2	
R423	ERJ6GEYG330	M.RESISTOR CH 1/10W 33	1	
R424,25	ERJ6GEYJ4R7	M.RESISTOR CH 1/10W 4.7K	2	
R426,27	ERJ6RED750	M.RESISTOR CH 1/10W 75	2	
R428,29	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R430,31	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R500	ERQ12HJ2R7	F.RESISTOR 1/2W 2.7	1	
R501-24	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	24	D0GB103JA002
R525-28	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	4	
R529,30	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R532	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R600-03	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	4	
R604-07	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	4	
R608	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R609-12	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	4	
SW200,01	VSS0307	SWITCH	2	K0D122A00105
SW600	VSS023706	SWITCH	1	K0D612A00005
		MISCELLANEOUS		
	VMP4866	D SUB ANGLE	1	
	VXQ0102	SCREW	10	K1YE50000008
	XYN26+F8	SCREW	2	
	VMP6814	JACK PB GUIDE ANGLE (A)	1	
	XSN26+8FZ	SCREW	2	
	XNG26EFXS	NUT	2	
■ E16	VEP86327A	FRONT P.C.BOARD	1	(RTL)
C100,01	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C102	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C103	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C104	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C105-07	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C108	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C109-13	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	5	
C203-06	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C300-02	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C400	ECUX1E473KBV	C.CAPACITOR CH 25V 0.047U	1	
C401	ECUX1E273KBV	C.CAPACITOR CH 25V 0.027U	1	
C402	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	1	F1K1C105A026
C403	EEUFC1J101	E.CAPACITOR 63V 100U	1	
C404	EEUFC1A122	E.CAPACITOR 10V 1200U	1	
C405	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C406,07	ECJ2VF1H104Z	C.CAPACITOR CH 50V 0.1U	2	
C409	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C410	ECUX1H222KBV	C.CAPACITOR CH 50V 2200P	1	
C411	ECUX1C473KBV	C.CAPACITOR CH 16V 0.047U	1	
C412	ECUX1C333KBV	C.CAPACITOR CH 16V 0.033U	1	
C413	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C415	ECUX1C473KBV	C.CAPACITOR CH 16V 0.047U	1	
C416	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C417,18	ECCF1H102J	C.CAPACITOR 50V 1000P	2	
C500	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C501	EEVHB1C470P	E.CAPACITOR 16V 47U	1	

Components identified with the mark ⚠ have the special characterisitics for safety.
When replacing any of these components, use onlly the same type.

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C502	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C506	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C507	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C508	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C515	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C516	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C517,18	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C519	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C520	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C521,22	ECUX1H151JCV	C.CAPACITOR CH 50V 150P	2	
C525,26	F1H1H122A219	C.CAPACITOR CH 50V 1200P	2	
C527	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	1	
D300	LNW9A8BYBZ	LED	1	
D301-03	LN38GCPP	LED	3	
D304	LN48YCPP	LED	1	
D305	LN38GCPP	LED	1	
D306	LNW9A8BYBZ	LED	1	
D400	MAZ33300ML	DIODE	1	
D401	U1GU44	DIODE	1	
D402	MA3062M	DIODE	1	
D403	MA152K	DIODE	1	
D404	MA3150-M	DIODE	1	
D405	MAZ30270HL	DIODE	1	
D500-03	MA3X71600L	DIODE	4	
D505	MA3X71600L	DIODE	1	
D506	MA142WA	DIODE	1	
DP400	A2BZ00000033	LCD	1	
FL500,01	J0HAAC000013	FILTER	2	
IC100	C0JBAZ000994	IC	1	
IC101	C0JBAB000541	IC	1	
IC102	C0JBAZ001121	IC	1	
IC103	UPC339G2	IC	1	
IC203-06	C0JBAZ001935	IC	4	
IC300-02	C0JBAQ000168	IC	3	
IC400	UPD16310GF	IC	1	
IC401	C0JBAM000052	IC	1	
IC403	C0JBAM000052	IC	1	
IC500	C0CBADC00063	IC	1	
IC502	XC62FP3202P	IC	1	
IC503,04	C0ABBA000071	IC	2	
IC505	NJM78L09UA	IC	1	C0CBAHC00002
IC506	NJM79L09UA	IC	1	C0CABBF00001
IC507	NJM4556AM	IC	1	C0ABBB000042
J500	VJJ0571	JACK	1	
L100-02	VLF1151A132	COIL	3	
L103	VLP0133	COIL	1	
L400	VLQ0655K220	COIL 22UH	1	
L500,01	VLP0146	COIL	2	
P100	K1KA30C00003	CONNECTOR (MALE)	1	
P101	VJP1246T	CONNECTOR (MALE) 6P	1	
P300	K1KB07A00019	CONNECTOR (FEMALE)	1	
Q400,01	2SD602A-R	TRANSISTOR	2	
Q402	B1BBGE000001	TRANSISTOR	1	
Q403	2SD602A-R	TRANSISTOR	1	
Q404	2SJ278	TRANSISTOR	1	
Q405-07	2SB1219A	TRANSISTOR	3	
Q500,01	2SD1328	TRANSISTOR	2	
QR300-03	UN2214	TRANSISTOR-RESISTOR	4	UNR221400L
QR304-06	UN2114	TRANSISTOR-RESISTOR	3	
QR307-13	UN2214	TRANSISTOR-RESISTOR	7	UNR221400L
QR314	UN2114	TRANSISTOR-RESISTOR	1	
QR318,19	UN2214	TRANSISTOR-RESISTOR	2	UNR221400L
QR339	UN2214	TRANSISTOR-RESISTOR	1	UNR221400L
QR400-02	UNR221300L	TRANSISTOR	3	
R103	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R104	D0GZ103J0001	M.RESISTOR CH 10K	1	
R105	D1H84704A008	COMBI.R-R 47	1	
R107	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R108	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R109	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R110	D1H84704A008	COMBI.R-R 47	1	
R113-16	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	4	
R117-20	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	4	
R121	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R122	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R123-26	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	4	
R127	D0GZ103J0001	M.RESISTOR CH 10K	1	
R131,32	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R133,34	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R206-13	D1H847240002	COMBI.R-R 4.7K	8	
R214	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R215	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R300	ERJ3GEYJ750	M.RESISTOR CH 1/16W 75	1	
R301-04	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	4	
R305	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R306	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R307-14	ERJ3GEYJ181	M.RESISTOR CH 1/16W 180	8	
R318,19	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	2	
R339	ERJ3GEYJ750	M.RESISTOR CH 1/16W 75	1	
R400	ERJ6GEYG122	M.RESISTOR CH 1/10W 1.2K	1	
R401	ERJ6GEYJ241	M.RESISTOR CH 1/10W 240	1	
R402	ERJ14YJ4R7	M.RESISTOR CH 1/4W 4.7	1	
R403,04	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	2	
R405	ERJ6GEYF472	M.RESISTOR CH 1/10W 4.7K	1	D0GD472JA003
⚠ R407	K5H3121A0004	FUSE	1	
R408	ERJ6GEYG223	M.RESISTOR CH 1/10W 22K	1	
R409-11	ERJ6GEYJ241	M.RESISTOR CH 1/10W 240	3	
R412	ERJ6GEYF472	M.RESISTOR CH 1/10W 4.7K	1	D0GD472JA003
R413,14	ERJ6GEYG563	M.RESISTOR CH 1/10W 56K	2	
R416	ERJ6GEYF472	M.RESISTOR CH 1/10W 4.7K	1	D0GD472JA003
R417	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R418	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R419	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R420-22	ERJ8GEYJ682	M.RESISTOR CH 1/8W 6.8K	3	
R423-28	ERJ8GEYJ332	M.RESISTOR CH 1/8W 3.3K	6	
R442-44	ERJ6GEYG154	M.RESISTOR CH 1/10W 150K	3	
R445	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R503	D1H810240001	COMBI.R-R 1K	1	
R504,05	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R506,07	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R508,09	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	2	
R510,11	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	2	
R512	ERJ6GEYG271	M.RESISTOR CH 1/10W 270	1	
R513,14	ERJ6GEYG331	M.RESISTOR CH 1/10W 330	2	
R515	ERJ6GEYG271	M.RESISTOR CH 1/10W 270	1	
R516,17	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R519,20	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	2	D0YDR0000005
R521-23	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R529	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	D0YDR0000005
SW222	VSP0791	SWITCH	1	K0F111A00279
SW223	K0F111A00426	SWITCH	1	
SW224	VSP0792	SWITCH	1	K0F111A00280
SW225	VSP0789	SWITCH	1	K0F111A00283
SW226	VSP0790	SWITCH	1	K0F111A00278
SW227,28	VSP0864A000	SWITCH	2	K0F111A00243
SW229	VSS0313	SWITCH	1	K0D113A00044
SW230	VSS0279	SWITCH	1	K0D112A00094
SW231	VSS0313	SWITCH	1	K0D113A00044
SW232,33	VSS0279	SWITCH	2	K0D112A00094
SW234,35	EVQPAD04M	SWITCH	2	
SW236	VSS0279	SWITCH	1	K0D112A00094
SW237-44	EVQPAD04M	SWITCH	8	
SW247,48	EVQPAD04M	SWITCH	2	
T400	G4ZZ00000446	TRANSFORMER	1	
VR500-03	VRV0279	V.RESISTOR	4	D2BCA54B0003
VR505	EVJY00F15A14	V.RESISTOR 10K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
		MISCELLANEOUS		
	VMX2126	LED SPACER	5	
	VJF1466	LCD HOLDER	2	
	VMX3227	LED HOLDER	2	
	VGU9191	KEY TOP BUTTON	2	
	VSC5409	HEADPHONE EARTH ANGLE	1	
	VSC5450	EARTH ANGLE	1	
■ E17	VEP80C43A	FRONT SUB P.C.BOARD	1	(RTL)
D700	LN38GCPP	LED	1	
D702,03	LN48YCPP	LED	2	
D704	LNW9A8BYBZ	LED	1	
P700	K1KA07A00083	CONNECTOR (MALE)	1	
		MISCELLANEOUS		
	VMX2126	LED SPACER	4	
■ E18	VEP80C42A	EJECT P.C.BOARD	1	(RTL)
SW600	VSP0864C001	SWITCH	1	K0F111A00274
		MISCELLANEOUS		
	VWJ03CN060AA	FLAT CABLE	1	
■ E19	VEP80856A	CARRIGE P.C.BOARD	1	(RTL)
P1	VJP1249T	CONNECTOR (MALE)	1	K1KA09B00028
P2	VJS2889A012	CONNECTOR (FEMALE)	1	
P3	VJS2889A016	CONNECTOR (FEMALE)	1	
R1-R7	ERDS2TJ221	C.RESISTOR 1/4W 220	7	

ELECTRICAL REPLACEMENT PARTS LIST (AJ-SD955AP)

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
■ E1	VEP84383A	F1 AUDIO P.C.BOARD	1	(RTL)
■ E2	VEP84384A	F2B A PROC P.C.BOARD	1	(RTL)
■ E3	VEP83605A	F3A SDI P.C.BOARD	1	(RTL)
■ E4	VEP83596C	F4 REC PB P.C.BOARD	1	(RTL)
■ E5	VEP83597C	F5 V OUT P.C.BOARD	1	(RTL)
■ E6	VEP86326C	F6 SYSCON P.C.BOARD	1	(RTL)
■ E7	VEP82246C	F7 SERVO P.C.BOARD	1	(RTL)
■ E8	VEP85207A	F8 RF EQ P.C.BOARD	1	(RTL)
■ E9	VEP85208A	RF CUE P.C.BOARD	1	(RTL)
■ E10	VEP80C41A	MOTHER P.C.BOARD	1	(RTL)
■ E11	VEP82239A	MECHA IF P.C.BOARD	1	(RTL)
■ E12	VEP82247A	MECHA IF 2 P.C.BOARD	1	(RTL)
■ E13	VEP81221C	POWER 1 P.C.BOARD	1	(RTL)
■ E14	VEP81222A	POWER 2 P.C.BOARD	1	(RTL)
■ E15	VEP80C40A	AV JACK P.C.BOARD	1	(RTL)
■ E16	VEP86327B	FRONT P.C.BOARD	1	(RTL)
■ E17	VEP80C43A	FRONT SUB P.C.BOARD	1	(RTL)
■ E18	VEP80C42A	EJECT P.C.BOARD	1	(RTL)
■ E19	VEP80856A	CARRIGE P.C.BOARD	1	(RTL)
■ E1	VEP84383A	F1 AUDIO P.C.BOARD	1	(RTL)
C4100-03	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	4	
C4104-07	ECEA1HGE330	E.CAPACITOR 50V 33U	4	
C4114-17	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C4118,19	EEVHB0J470	E.CAPACITOR 6.3V 47U	2	
C4120,21	EEVHP1C100	E.CAPACITOR 16V 10U	2	
C4126,27	ECUX1H820JCV	C.CAPACITOR CH 50V 82P	2	
C4128-31	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C4134,35	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	2	
C4200-03	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	4	
C4204-07	ECEA1HGE330	E.CAPACITOR 50V 33U	4	
C4214-17	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C4218,19	EEVHB0J470	E.CAPACITOR 6.3V 47U	2	
C4220,21	EEVHP1C100	E.CAPACITOR 16V 10U	2	
C4226,27	ECUX1H820JCV	C.CAPACITOR CH 50V 82P	2	
C4228-31	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C4234,35	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	2	
C4300-03	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C4304-07	EEVHB1C100	E.CAPACITOR 16V 10U	4	
C4308-11	EEVHB1C220	E.CAPACITOR 16V 22U	4	
C4313,14	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C4316,17	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C4319,20	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C4322,23	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C4324-27	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	4	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C4328	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C4329-32	ECUX1H152KBV	C.CAPACITOR CH 50V 1500P	4	
C4334,35	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C4336	EEVHB1C220	E.CAPACITOR 16V 22U	1	
C4338	EEVHB1C220	E.CAPACITOR 16V 22U	1	
C4341	EEVHB1C220	E.CAPACITOR 16V 22U	1	
C4343	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C4344	EEVHB1C220	E.CAPACITOR 16V 22U	1	
C4345	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C4346,47	EEVHB1C220	E.CAPACITOR 16V 22U	2	
C4348,49	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C4350,51	EEVHB1C220	E.CAPACITOR 16V 22U	2	
C4352-55	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C4356-59	ECUX1H332KBV	C.CAPACITOR CH 50V 3300P	4	
C4360	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C4361-68	ECUX1H471KBV	C.CAPACITOR CH 50V 470P	8	
C4373-76	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	4	
C4451	EEVHB1C220	E.CAPACITOR 16V 22U	1	
C4454,55	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	2	
C4456	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C4457	EEVHB1C220	E.CAPACITOR 16V 22U	1	
C4458	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C4459,60	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C4461,62	EEVHB0J470	E.CAPACITOR 6.3V 47U	2	
C4463,64	ECUX1H332KBV	C.CAPACITOR CH 50V 3300P	2	
C4465-68	ECUX1H471KBV	C.CAPACITOR CH 50V 470P	4	
C4469,70	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C4473,74	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C4475,76	EEVHB0J470	E.CAPACITOR 6.3V 47U	2	
C4477,78	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	2	
C4479-82	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C4483,84	EEVHB0J470	E.CAPACITOR 6.3V 47U	2	
C4487,88	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C4489,90	ECHU1H472JB	P.CAPACITOR 50V 4700P	2	
C4499	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	1	
C4500	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C4501	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C4560,61	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C4562,63	ECHU1H472JB	P.CAPACITOR 50V 4700P	2	
C4568,69	EEVHP1C100	E.CAPACITOR 16V 10U	2	
C4570,71	ECUX1H220JCV	C.CAPACITOR CH 50V 22P	2	
C4572,73	EEVHB1C220	E.CAPACITOR 16V 22U	2	
C4574,75	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C4576,77	EEVHB1C220	E.CAPACITOR 16V 22U	2	
C4578,79	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C4580,81	EEVHB1C220	E.CAPACITOR 16V 22U	2	
C4582-85	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C4586,87	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	2	
C4588,89	ECUX1H270JCV	C.CAPACITOR CH 50V 27P	2	
C4590-93	ECA1CHG471	C.CAPACITOR 16V 470U	4	
C4598,99	ECJ1VC1H181J	C.CAPACITOR CH 50V 180P	2	
C4690,91	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C4692,93	ECHU1H472JB	P.CAPACITOR 50V 4700P	2	
C4698,99	EEVHP1C100	E.CAPACITOR 16V 10U	2	
C4700,01	EEVHB1C220	E.CAPACITOR 16V 22U	2	
C4702,03	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C4704,05	EEVHB1C220	E.CAPACITOR 16V 22U	2	
C4706,07	ECUX1H220JCV	C.CAPACITOR CH 50V 22P	2	
C4708,09	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C4710,11	EEVHB1C220	E.CAPACITOR 16V 22U	2	
C4712-15	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C4716,17	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	2	
C4718,19	ECUX1H270JCV	C.CAPACITOR CH 50V 27P	2	
C4720-23	ECA1CHG471	C.CAPACITOR 16V 470U	4	
C4728,29	ECJ1VC1H181J	C.CAPACITOR CH 50V 180P	2	
C4820,21	ECUX1H820JCV	C.CAPACITOR CH 50V 82P	2	
C4822-25	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C4828,29	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C4832,33	EEVHB1C220	E.CAPACITOR 16V 22U	2	
C4834,35	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C4836,37	EEVHB1C220	E.CAPACITOR 16V 22U	2	
C4838,39	ECUX1H220JCV	C.CAPACITOR CH 50V 22P	2	
C4844-47	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C4848,49	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	2	
C4850,51	ECUX1H270JCV	C.CAPACITOR CH 50V 27P	2	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C4852-55	ECA1CHG471	C.CAPACITOR 16V 470U	4	
C4858-61	EEVHP1C100	E.CAPACITOR 16V 10U	4	
C4862,63	ECUX1H220JCV	C.CAPACITOR CH 50V 22P	2	
C4950	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C4951	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C4953,54	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C4955,56	EEVHB0J470	E.CAPACITOR 6.3V 47U	2	
C4957-63	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	7	
C4964	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C4965	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C5001	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	1	
C5003	ECUX1C394KBN	C.CAPACITOR CH 16V 0.39U	1	
C5007	ECUX1C394KBN	C.CAPACITOR CH 16V 0.39U	1	
C5008,09	ECUX1H822KBV	C.CAPACITOR CH 50V 8200P	2	
C5010	ECUX1C394KBN	C.CAPACITOR CH 16V 0.39U	1	
C5011,12	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	2	
C5014,15	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C5017	ECUM1H273KBN	C.CAPACITOR CH 50V 0.027U	1	
C5018-20	ECHU1C104J	P.CAPACITOR 16V 0.1U	3	
C5021,22	ECUX1H182KBV	C.CAPACITOR CH 50V 1800P	2	
C5023	ECHU1C104J	P.CAPACITOR 16V 0.1U	1	
C5025,26	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	2	
C5028	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	1	
C5030	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	1	
C5031	ECUM1C224KBM	C.CAPACITOR CH 16V 0.22U	1	F1K1C224A029
C5034	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	1	
C5035	ECUX1C333KBV	C.CAPACITOR CH 16V 0.033U	1	
C5036	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C5037	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C5039	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C5040	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C5041	ECHU1C104J	P.CAPACITOR 16V 0.1U	1	
C5042	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	1	
C5043	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	1	F1K1C105A026
C5044	ECUX1H222KBV	C.CAPACITOR CH 50V 2200P	1	
C5045	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C5049-56	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	8	
C5057-60	EEVHB0J470	E.CAPACITOR 6.3V 47U	4	
C5066,67	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C5068	EEVHB1C220	E.CAPACITOR 16V 22U	1	
C5200	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C5201	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	1	
C5202	EEVHB1C220	E.CAPACITOR 16V 22U	1	
C5203	EEVHB1C100	E.CAPACITOR 16V 10U	1	
C5207	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C5209,10	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	2	
C5211	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C5214	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	1	
C5215,16	ECUX1H222KBV	C.CAPACITOR CH 50V 2200P	2	
C5217	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C5218	EEVHB1C100	E.CAPACITOR 16V 10U	1	
C5219	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C5220	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C5225	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C5226	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	1	
C5228	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	1	
C5400	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C5402-06	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	5	
D4100-03	MA3X15700L	DIODE	4	
D4104	MA3X71600L	DIODE	1	
D4200-03	MA3X15700L	DIODE	4	
D4204	MA3X71600L	DIODE	1	
D4450	MA147	DIODE	1	
D4451	MA142WK	DIODE	1	
D4453-55	MA142WK	DIODE	3	
D4460	MA142WK	DIODE	1	
D4562-65	MA3X15700L	DIODE	4	
D4566,67	MA142WA	DIODE	2	
D4692-95	MA3X15700L	DIODE	4	
D4696,97	MA142WA	DIODE	2	
D4820-23	MA3X15700L	DIODE	4	
D4824-26	MA142WA	DIODE	3	
D5001,02	MA3X71600L	DIODE	2	
D5200	MA152A	DIODE	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
D5201,02	MA3X15700L	DIODE	2	
FL4950	VLF1466B223	LINE FILTER	1	
IC4100,01	C0ABBB000184	IC	2	
IC4102,03	THC4052FT	IC	2	
IC4104	C0CBADD00003	IC	1	
IC4105	C0CBBDB00004	IC	1	
IC4106,07	C0ABBB000184	IC	2	
IC4110,11	C0ABBB000184	IC	2	
IC4112,13	THC4052FT	IC	2	
IC4200,01	C0ABBB000184	IC	2	
IC4202,03	THC4052FT	IC	2	
IC4204	C0CBADD00003	IC	1	
IC4205	C0CBBDB00004	IC	1	
IC4206,07	C0ABBB000184	IC	2	
IC4210,11	C0ABBB000184	IC	2	
IC4212,13	THC4052FT	IC	2	
IC4300	C0JBAZ001121	IC	1	
IC4301-04	C0ABBB000184	IC	4	
IC4306,07	C0FBZK000006	IC	2	
IC4308	C0CBABE00013	IC	1	
IC4309-12	C0ABBB000184	IC	4	
IC4313-16	THC4052FT	IC	4	
IC4450	C0FBBK000029	IC	1	
IC4451	C0CBADD00003	IC	1	
IC4452	C0CBBDB00004	IC	1	
IC4453,54	C0ABBB000184	IC	2	
IC4455	C0CBADD00003	IC	1	
IC4456	C0CBBDB00004	IC	1	
IC4457,58	THC4052FT	IC	2	
IC4459	C0CBADD00003	IC	1	
IC4460	C0CBBDB00004	IC	1	
IC4463,64	C0ABBB000184	IC	2	
IC4465	C0CBADC00063	IC	1	
IC4560,61	C0ABBB000184	IC	2	
IC4562,63	THC4052FT	IC	2	
IC4564-67	NJM4556AM	IC	4	C0ABBB000042
IC4690,91	C0ABBB000184	IC	2	
IC4692,93	THC4052FT	IC	2	
IC4694-97	NJM4556AM	IC	4	C0ABBB000042
IC4822,23	C0ABBB000184	IC	2	
IC4824,25	TC4W53FU	IC	2	
IC4826	THC4052FT	IC	1	
IC4827	NJM4556AM	IC	1	C0ABBB000042
IC4828	THC4052FT	IC	1	
IC4829-31	NJM4556AM	IC	3	C0ABBB000042
IC4832	C0ABBB000184	IC	1	
IC4950	C3BBFC000270	IC	1	
IC4951	C0CBAAB00021	IC	1	
IC4952	C1ZBZ0001836	IC	1	
IC5001-03	C0ABBB000184	IC	3	
IC5004	C0JBAS000075	IC	1	
IC5005,06	C0ABBB000184	IC	2	
IC5008	C0JBAS000075	IC	1	
IC5009	C1BB00000311	IC	1	
IC5010	C0ABBB000184	IC	1	
IC5011	THC4052FT	IC	1	
IC5013	C0CBADD00003	IC	1	
IC5015	C0ABBB000184	IC	1	
IC5016	C0CBBDB00004	IC	1	
IC5017	C0CBADD00003	IC	1	
IC5019	C0CBBDB00004	IC	1	
IC5020	NJM78L09UA	IC	1	C0CBAHC00002
IC5200	C0JBAZ001121	IC	1	
IC5202	C0FBZH000011	IC	1	
IC5203	C0ABBB000184	IC	1	
IC5204	C0CBABE00013	IC	1	
IC5401	C0JBAZ001003	IC	1	
IC5402	C0JBAZ001137	IC	1	
IC5404	C0JBAZ001121	IC	1	
IC5405	C0JBAA000261	IC	1	
ID5400	VVVSI3891	SOFTWARE	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
IP5400	C1ZBZ0001555	IC	1	
L4950	VLF1151A132	COIL	1	
P4001,02	K1KA96B00032	CONNECTOR (MALE)	2	
P5400	K1KA08B00147	CONNECTOR (FEMALE)	1	
Q4450-53	2SB1219A-R	TRANSISTOR	4	
Q4454,55	2SD1979	TRANSISTOR	2	
Q4560,61	2SD1979	TRANSISTOR	2	
Q4562	2SD602A-R	TRANSISTOR	1	
Q4563	2SB710A-R	TRANSISTOR	1	
Q4564-69	2SD1328	TRANSISTOR	6	
Q4690,91	2SD1979	TRANSISTOR	2	
Q4692	2SD602A-R	TRANSISTOR	1	
Q4693	2SB710A-R	TRANSISTOR	1	
Q4694-99	2SD1328	TRANSISTOR	6	
Q4820	2SD602A-R	TRANSISTOR	1	
Q4821	2SB710A-R	TRANSISTOR	1	
Q4822-29	2SD1328	TRANSISTOR	8	
Q5200-02	2SD1328	TRANSISTOR	3	
QR4450-53	UNR521300L	TRANSISTOR	4	
QR4454,55	UNR511300L	TRANSISTOR	2	
QR4560,61	UNR521300L	TRANSISTOR	2	
QR4562,63	UNR511300L	TRANSISTOR	2	
QR4690,91	UNR521300L	TRANSISTOR	2	
QR4692,93	UNR511300L	TRANSISTOR	2	
R4001	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R4010	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4030,31	ERDS2TJ392	C.RESISTOR 1/4W 3.9K	2	D0AE392JA045
R4100,01	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R4102,03	ERJ12YJ621	M.RESISTOR CH 1/2W 620	2	
R4104,05	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	2	
R4106-09	ERJ3RBD473	M.RESISTOR CH 1/16W 47K	4	
R4110-13	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	4	
R4114	ERJ3RBD202	M.RESISTOR CH 1/16W 2K	1	
R4115	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
R4116	ERJ3RBD333	M.RESISTOR CH 1/16W 33K	1	
R4117	ERJ3RBD202	M.RESISTOR CH 1/16W 2K	1	
R4118	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
R4119	ERJ3RBD333	M.RESISTOR CH 1/16W 33K	1	
R4120	ERJ3RBD202	M.RESISTOR CH 1/16W 2K	1	
R4121	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
R4122	ERJ3RBD333	M.RESISTOR CH 1/16W 33K	1	
R4123	ERJ3RBD202	M.RESISTOR CH 1/16W 2K	1	
R4124	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
R4125	ERJ3RBD333	M.RESISTOR CH 1/16W 33K	1	
R4126-29	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	4	
R4130	ERJ3GEYJ335	M.RESISTOR CH 1/16W 3.3M	1	
R4131	ERJ3RED470	M.RESISTOR CH 1/16W 47	1	
R4132	ERJ3RBD911	M.RESISTOR CH 1/16W 910	1	
R4133	ERJ3GEYJ335	M.RESISTOR CH 1/16W 3.3M	1	
R4134	ERJ3RED470	M.RESISTOR CH 1/16W 47	1	
R4135	ERJ3RBD911	M.RESISTOR CH 1/16W 910	1	
R4136	ERJ3GEYJ335	M.RESISTOR CH 1/16W 3.3M	1	
R4137	ERJ3RED470	M.RESISTOR CH 1/16W 47	1	
R4138	ERJ3RBD911	M.RESISTOR CH 1/16W 910	1	
R4139	ERJ3GEYJ335	M.RESISTOR CH 1/16W 3.3M	1	
R4140	ERJ3RED470	M.RESISTOR CH 1/16W 47	1	
R4141	ERJ3RBD911	M.RESISTOR CH 1/16W 910	1	
R4142-47	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	6	
R4148,49	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R4150,51	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	2	
R4152,53	ERJ3RED470	M.RESISTOR CH 1/16W 47	2	
R4154,55	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R4156,57	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	2	
R4160,61	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R4162,63	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	2	
R4164,65	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2	
R4166	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R4168	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R4170	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4171	ERJ3RBD682	M.RESISTOR CH 1/16W 6.8K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R4172	ERJ3RBD391	M.RESISTOR CH 1/16W 390	1	
R4173	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R4174	ERJ3RBD202	M.RESISTOR CH 1/16W 2K	1	
R4175	ERJ3RBD682	M.RESISTOR CH 1/16W 6.8K	1	
R4176	ERJ3RBD391	M.RESISTOR CH 1/16W 390	1	
R4177	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R4178	ERJ3RBD202	M.RESISTOR CH 1/16W 2K	1	
R4179	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4180	ERJ3RBD822	M.RESISTOR CH 1/16W 8.2K	1	
R4181	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	
R4182	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R4183	ERJ3RBD822	M.RESISTOR CH 1/16W 8.2K	1	
R4184	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	
R4185	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R4186,87	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R4188,89	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R4190,91	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R4200,01	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R4202,03	ERJ12YJ621	M.RESISTOR CH 1/2W 620	2	
R4204,05	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	2	
R4206-09	ERJ3RBD473	M.RESISTOR CH 1/16W 47K	4	
R4210-13	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	4	
R4214	ERJ3RBD202	M.RESISTOR CH 1/16W 2K	1	
R4215	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
R4216	ERJ3RBD333	M.RESISTOR CH 1/16W 33K	1	
R4217	ERJ3RBD202	M.RESISTOR CH 1/16W 2K	1	
R4218	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
R4219	ERJ3RBD333	M.RESISTOR CH 1/16W 33K	1	
R4220	ERJ3RBD202	M.RESISTOR CH 1/16W 2K	1	
R4221	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
R4222	ERJ3RBD333	M.RESISTOR CH 1/16W 33K	1	
R4223	ERJ3RBD202	M.RESISTOR CH 1/16W 2K	1	
R4224	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
R4225	ERJ3RBD333	M.RESISTOR CH 1/16W 33K	1	
R4226-29	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	4	
R4230	ERJ3GEYJ335	M.RESISTOR CH 1/16W 3.3M	1	
R4231	ERJ3RED470	M.RESISTOR CH 1/16W 47	1	
R4232	ERJ3RBD911	M.RESISTOR CH 1/16W 910	1	
R4233	ERJ3GEYJ335	M.RESISTOR CH 1/16W 3.3M	1	
R4234	ERJ3RED470	M.RESISTOR CH 1/16W 47	1	
R4235	ERJ3RBD911	M.RESISTOR CH 1/16W 910	1	
R4236	ERJ3GEYJ335	M.RESISTOR CH 1/16W 3.3M	1	
R4237	ERJ3RED470	M.RESISTOR CH 1/16W 47	1	
R4238	ERJ3RBD911	M.RESISTOR CH 1/16W 910	1	
R4239	ERJ3GEYJ335	M.RESISTOR CH 1/16W 3.3M	1	
R4240	ERJ3RED470	M.RESISTOR CH 1/16W 47	1	
R4241	ERJ3RBD911	M.RESISTOR CH 1/16W 910	1	
R4242-47	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	6	
R4248,49	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R4250,51	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	2	
R4252,53	ERJ3RED470	M.RESISTOR CH 1/16W 47	2	
R4254,55	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R4256,57	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	2	
R4260,61	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R4262,63	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	2	
R4264,65	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2	
R4266	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R4268	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R4270	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4271	ERJ3RBD682	M.RESISTOR CH 1/16W 6.8K	1	
R4272	ERJ3RBD391	M.RESISTOR CH 1/16W 390	1	
R4273	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R4274	ERJ3RBD202	M.RESISTOR CH 1/16W 2K	1	
R4275	ERJ3RBD682	M.RESISTOR CH 1/16W 6.8K	1	
R4276	ERJ3RBD391	M.RESISTOR CH 1/16W 390	1	
R4277	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R4278	ERJ3RBD202	M.RESISTOR CH 1/16W 2K	1	
R4279	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4280	ERJ3RBD822	M.RESISTOR CH 1/16W 8.2K	1	
R4281	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	
R4282	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R4283	ERJ3RBD822	M.RESISTOR CH 1/16W 8.2K	1	
R4284	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	
R4285	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R4286,87	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R4288,89	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R4290,91	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R4300	D1H84704A008	COMBI.R-R 47	1	
R4301	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R4302,03	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R4304-15	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	12	
R4316-19	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	4	
R4320-27	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	8	
R4328-35	ERJ3RBD331	M.RESISTOR CH 1/16W 330	8	
R4336,37	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R4338,39	D1H84704A008	COMBI.R-R 47	2	
R4340-43	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	4	
R4344	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R4345	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4346	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R4347-49	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R4350-61	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	12	
R4362-69	ERJ3RBD201	M.RESISTOR CH 1/16W 200	8	
R4370-73	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	4	
R4378-81	ERJ3RBD912	M.RESISTOR CH 1/16W 9.1K	4	
R4382	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R4383	ERJ3RBD362	M.RESISTOR CH 1/16W 3.6K	1	
R4384	ERJ3RBD242	M.RESISTOR CH 1/16W 2.4K	1	
R4385	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R4386	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R4387	ERJ3RBD362	M.RESISTOR CH 1/16W 3.6K	1	
R4388	ERJ3RBD242	M.RESISTOR CH 1/16W 2.4K	1	
R4389	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R4390	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R4391	ERJ3RBD362	M.RESISTOR CH 1/16W 3.6K	1	
R4392	ERJ3RBD242	M.RESISTOR CH 1/16W 2.4K	1	
R4393	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R4394	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R4395	ERJ3RBD362	M.RESISTOR CH 1/16W 3.6K	1	
R4396	ERJ3RBD242	M.RESISTOR CH 1/16W 2.4K	1	
R4397	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R4398	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R4399	ERJ3RBD241	M.RESISTOR CH 1/16W 240	1	
R4400	ERJ3RED680	M.RESISTOR CH 1/16W 68	1	
R4401	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R4402	ERJ3RBD241	M.RESISTOR CH 1/16W 240	1	
R4403	ERJ3RED680	M.RESISTOR CH 1/16W 68	1	
R4404	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R4405	ERJ3RBD241	M.RESISTOR CH 1/16W 240	1	
R4406	ERJ3RED680	M.RESISTOR CH 1/16W 68	1	
R4407	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R4408	ERJ3RBD241	M.RESISTOR CH 1/16W 240	1	
R4409	ERJ3RED680	M.RESISTOR CH 1/16W 68	1	
R4410-14	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	5	
R4417,18	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R4454	D1H84704A008	COMBI.R-R 47	1	
R4455,56	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R4457	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R4458	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4459,60	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R4461	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R4462	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R4463	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R4464	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R4465	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4466	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R4468-71	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	4	
R4472	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R4473,74	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	2	
R4475-78	ERJ3RBD201	M.RESISTOR CH 1/16W 200	4	
R4479	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R4481,82	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	2	
R4485,86	ERJ3RBD912	M.RESISTOR CH 1/16W 9.1K	2	
R4487	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R4488	ERJ3RBD362	M.RESISTOR CH 1/16W 3.6K	1	
R4489	ERJ3RBD242	M.RESISTOR CH 1/16W 2.4K	1	
R4490	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R4491	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R4492	ERJ3RBD362	M.RESISTOR CH 1/16W 3.6K	1	
R4493	ERJ3RBD242	M.RESISTOR CH 1/16W 2.4K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R4494	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R4495	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R4496	ERJ3RBD241	M.RESISTOR CH 1/16W 240	1	
R4497	ERJ3RED680	M.RESISTOR CH 1/16W 68	1	
R4498	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R4499	ERJ3RBD241	M.RESISTOR CH 1/16W 240	1	
R4500	ERJ3RED680	M.RESISTOR CH 1/16W 68	1	
R4501,02	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	2	
R4505,06	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	2	
R4507,08	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	2	
R4509,10	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R4511	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R4512	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R4513	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R4514	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R4515	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R4516	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R4517,18	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	2	
R4519,20	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2	
R4521,22	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R4523,24	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R4527-33	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	7	
R4534	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R4560,61	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	2	
R4564,65	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	2	
R4566,67	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	2	
R4568,69	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R4570	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R4571	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R4572	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R4573	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R4574	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R4575	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R4576,77	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	2	
R4578,79	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2	
R4580,81	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R4582,83	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R4586,87	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R4588,89	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	2	
R4590,91	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	2	
R4592	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R4593	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	
R4594	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	
R4595	ERJ3RBD912	M.RESISTOR CH 1/16W 9.1K	1	
R4596	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R4597	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	
R4598	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	
R4599	ERJ3RBD912	M.RESISTOR CH 1/16W 9.1K	1	
R4600	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R4601	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R4602	ERJ3RBD681	M.RESISTOR CH 1/16W 680	1	
R4603	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R4604	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R4605	ERJ3RBD681	M.RESISTOR CH 1/16W 680	1	
R4606-09	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	4	
R4610,11	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R4612,13	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2	
R4616,17	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	2	
R4618,19	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	2	
R4620,21	ERJ3RBD682	M.RESISTOR CH 1/16W 6.8K	2	
R4622-29	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	8	
R4630-33	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	4	
R4634,35	ERJ3RBD101	M.RESISTOR CH 1/16W 100	2	
R4636-39	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	4	
R4640,41	ERJ3RBD101	M.RESISTOR CH 1/16W 100	2	
R4642-45	ERJ14YJ220	M.RESISTOR CH 1/4W 22	4	
R4646-49	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	4	
R4650-53	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	4	
R4654-61	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	8	
R4690,91	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	2	
R4694,95	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	2	
R4696,97	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R4698,99	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	2	
R4700	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R4701	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R4702	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R4703	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R4704	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R4705	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R4706,07	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	2	
R4708,09	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2	
R4710,11	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R4712,13	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R4716,17	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R4718,19	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	2	
R4720,21	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	2	
R4722	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R4723	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	
R4724	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	
R4725	ERJ3RBD912	M.RESISTOR CH 1/16W 9.1K	1	
R4726	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R4727	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	
R4728	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	
R4729	ERJ3RBD912	M.RESISTOR CH 1/16W 9.1K	1	
R4730-33	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	4	
R4734	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R4735	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R4736	ERJ3RBD681	M.RESISTOR CH 1/16W 680	1	
R4737	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R4738	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R4739	ERJ3RBD681	M.RESISTOR CH 1/16W 680	1	
R4740,41	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R4742,43	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2	
R4746,47	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	2	
R4748,49	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	2	
R4750,51	ERJ3RBD682	M.RESISTOR CH 1/16W 6.8K	2	
R4752-59	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	8	
R4760-63	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	4	
R4764,65	ERJ3RBD101	M.RESISTOR CH 1/16W 100	2	
R4766-69	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	4	
R4770,71	ERJ3RBD101	M.RESISTOR CH 1/16W 100	2	
R4772-75	ERJ14YJ220	M.RESISTOR CH 1/4W 22	4	
R4776-79	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	4	
R4780-83	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	4	
R4784-91	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	8	
R4820,21	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	2	
R4822,23	ERJ3RBD302	M.RESISTOR CH 1/16W 3K	2	
R4824,25	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	2	
R4826	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R4828	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R4830,31	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	2	
R4832,33	ERJ3RBD301	M.RESISTOR CH 1/16W 300	2	
R4834-39	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	6	
R4840,41	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	2	
R4842	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R4843	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	
R4844	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	
R4845	ERJ3RBD912	M.RESISTOR CH 1/16W 9.1K	1	
R4846	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R4847	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	
R4848	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	
R4849	ERJ3RBD912	M.RESISTOR CH 1/16W 9.1K	1	
R4850	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R4851	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R4852	ERJ3RBD681	M.RESISTOR CH 1/16W 680	1	
R4853	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R4854	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R4855	ERJ3RBD681	M.RESISTOR CH 1/16W 680	1	
R4856,57	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R4858,59	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2	
R4862,63	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	2	
R4864,65	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	2	
R4866,67	ERJ3RBD393	M.RESISTOR CH 1/16W 39K	2	
R4868-75	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	8	
R4876-79	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	4	
R4880,81	ERJ3RBD101	M.RESISTOR CH 1/16W 100	2	
R4882-85	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	4	
R4886,87	ERJ3RBD101	M.RESISTOR CH 1/16W 100	2	
R4888-91	ERJ14YJ220	M.RESISTOR CH 1/4W 22	4	
R4892,93	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	2	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R4894,95	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	2	
R4896,97	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R4898,99	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	2	
R4900,01	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2	
R4902,03	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R4904,05	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2	
R4906	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R4907	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R4908	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R4909	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R4911-18	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	8	
R4950-53	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	4	
R4954	D1H810140001	COMBI.R-R 100	1	
R4958	D1H84734A008	COMBI.R-R 47K	1	
R4960,61	D1H84734A008	COMBI.R-R 47K	2	
R4965	D1H84734A008	COMBI.R-R 47K	1	
R4967-69	D1H84734A008	COMBI.R-R 47K	3	
R4971-74	D1H84734A008	COMBI.R-R 47K	4	
R4979	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5001	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R5002	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R5003	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R5004,05	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R5006	ERJ3GEYJ393	M.RESISTOR CH 1/16W 39K	1	
R5008	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	1	
R5010	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R5011	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R5012	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R5014	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R5015	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R5017	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R5018	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R5020	ERJ3RBD152	M.RESISTOR CH 1/16W 1.5K	1	
R5022	ERJ3RBD392	M.RESISTOR CH 1/16W 3.9K	1	
R5023	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R5024	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R5025	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R5026	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R5027	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	
R5028	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R5029	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R5030	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R5032	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R5033	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R5034	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R5035	ERJ3RBD823	M.RESISTOR CH 1/16W 82K	1	
R5037	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R5038	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	
R5039	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R5041	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R5043	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R5045,46	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R5047	ERJ3RBD183	M.RESISTOR CH 1/16W 18K	1	
R5049	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R5050,51	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R5052	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R5053,54	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R5055-57	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	D0GB103JA002
R5059	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R5060	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R5061,62	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R5067	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R5071	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R5075	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R5078	ERJ3RBD202	M.RESISTOR CH 1/16W 2K	1	
R5079	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	1	
R5080	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R5081	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R5082	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R5084	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	1	
R5085	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R5086	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R5088	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R5089	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R5090	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R5104	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R5201	D1H84704A008	COMBI.R-R 47	1	
R5202	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5203	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R5204	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R5205	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	1	
R5206	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	1	
R5207	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R5208	ERJ3GEYJ912	M.RESISTOR CH 1/16W 9.1K	1	
R5209	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5210	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R5211	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	
R5212	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R5213	ERJ3RBD683	M.RESISTOR CH 1/16W 68K	1	
R5215	ERJ6GEYG101	M.RESISTOR CH 1/10W 100	1	
R5216	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R5217	ERJ3RBD133	M.RESISTOR CH 1/16W 13K	1	
R5218	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R5219	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R5221,22	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	2	
R5226	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R5228,29	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R5231	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	
R5232	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R5236	D1H84704A008	COMBI.R-R 47	1	
R5237	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R5238	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R5239	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R5241	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R5242	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R5400	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5402,03	D0GZ220J0001	M.RESISTOR CH 22	2	
R5405	D1H810240001	COMBI.R-R 81	1	
R5406	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R5407,08	D1H84734A008	COMBI.R-R 47K	2	
R5409	D0GZ103J0001	M.RESISTOR CH 10K	1	
SW4100,01	VSS0126	SWITCH	2	
SW4200,01	VSS0126	SWITCH	2	
TG4100	EYF6CU	TEST POINT	1	
TG4200	EYF6CU	TEST POINT	1	
TG4300	EYF6CU	TEST POINT	1	
TG5001	EYF6CU	TEST POINT	1	
TP4300-02	EYF6CU	TEST POINT	3	
TP4560,61	EYF6CU	TEST POINT	2	
TP4690,91	EYF6CU	TEST POINT	2	
TP4820,21	EYF6CU	TEST POINT	2	
TP5002	EYF6CU	TEST POINT	1	
TP5200	EYF6CU	TEST POINT	1	
VR4300-03	EVMEGSA00B53	V.RESISTOR 5K	4	
VR4450,51	EVMEGSA00B14	V.RESISTOR 10K	2	
VR4560,61	EVMEGSA00B14	V.RESISTOR 10K	2	
VR4690,91	EVMEGSA00B14	V.RESISTOR 10K	2	
VR5001	EVMEGSA00B24	V.RESISTOR 20K	1	
VR5003,04	EVMEGSA00B53	V.RESISTOR 5K	2	
VR5006	EVMEGSA00B24	V.RESISTOR 20K	1	
VR5007	EVMEGSA00B14	V.RESISTOR 10K	1	
VR5009	EVMEGSA00B14	V.RESISTOR 10K	1	
		MISCELLANEOUS		
	VML2143	CARD PULLER	1	
	VML2144	CARD PULLER	1	
■ E2	VEP84384A	F2B A PROC P.C.BOARD	1	(RTL)
C4055	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C4056	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C4060	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C4061-63	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C4064,65	EEVHB0J470	E.CAPACITOR 6.3V 47U	2	
C4066,67	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C4068	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C4100-02	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C4103	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C4150-52	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C4300,01	EEVHB0J470	E.CAPACITOR 6.3V 47U	2	
C4302,03	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C4305,06	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C4350-52	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C4400	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C4401-08	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	8	
C4500	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C4501-08	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	8	
C4550	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C4551-58	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	8	
C4600	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C4601	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C4602-05	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C4653,54	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C4655,56	ECUX1H182KBV	C.CAPACITOR CH 50V 1800P	2	
IC4052,53	C0CBAAB00021	IC	2	
IC4100	C0JBAZ001121	IC	1	
IC4101	C0JBAZ001137	IC	1	
IC4102	C0JBAZ001121	IC	1	
IC4150-52	C0JBAZ001003	IC	3	
IC4301	C0ZBZ0000363	IC	1	
IC4302	C0JBAZ001003	IC	1	
IC4350	C0JBAZ001003	IC	1	
IC4400	C1ZBZ0001836	IC	1	
IC4500	C1ZBZ0001836	IC	1	
IC4550,51	C3BBFC000270	IC	2	
IC4552	C1AB00001135	IC	1	
IC4553,54	C3BBFC000270	IC	2	
IC4601	UPD65949G076	IC	1	C1AB00000858
IC4602	C3BBFC000270	IC	1	
IC4651,52	C5AB00000006	IC	2	
ID4351	VVVSI3878A	SOFTWARE	1	
IP4351	C1ZBZ0001555	IC	1	
L4052	VLF1151A132	COIL	1	
L4301	VLQ0319K470	COIL 47UH	1	G1C470K00013
P4001	K1KA96B00032	CONNECTOR (MALE)	1	
P4350	K1KA08B00147	CONNECTOR (FEMALE)	1	
R4001	D1H810140001	COMBI.R-R 100	1	
R4100	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R4101,02	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R4103,04	D1H84734A008	COMBI.R-R 47K	2	
R4105,06	D0GZ220J0001	M.RESISTOR CH 22	2	
R4150-52	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	3	
R4153,54	D1H84704A008	COMBI.R-R 47	2	
R4155,56	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R4157	D1H84704A008	COMBI.R-R 47	1	
R4160-64	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	5	
R4301	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R4302	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R4303-08	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	6	
R4310	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R4315	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4350	D1H810240001	COMBI.R-R 81	1	
R4351	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R4352	D0GZ103J0001	M.RESISTOR CH 10K	1	
R4400,01	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	2	F1H1H102A009
R4410,11	D1H84734A008	COMBI.R-R 47K	2	
R4412	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R4500,01	D1H84734A008	COMBI.R-R 47K	2	
R4502	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R4550	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R4551	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R4554	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4600	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
TG4001	EYF6CU	TEST POINT	1	
TP4409	EYF6CU	TEST POINT	1	
		MISCELLANEOUS		
	VML2143	CARD PULLER	1	
	VML2144	CARD PULLER	1	
■ E3	VEP83605A	F3A SDI P.C.BOARD	1	(RTL)
C3000,01	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3002	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3003	EEFCD0J470R	E.CAPACITOR 6.3V 47U	1	
C3004-06	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C3007	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3008	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3009	EEFCD0J470R	E.CAPACITOR 6.3V 47U	1	
C3100,01	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3103,04	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3107	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C3200	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C3201	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3202	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C3203	EEFCD0J470R	E.CAPACITOR 6.3V 47U	1	
C3204-06	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	3	
C3207	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C3208	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C3209	ECUX1H153KBV	C.CAPACITOR CH 50V 0.015U	1	
C3210	ECUX1H040CCV	C.CAPACITOR CH 50V 4P	1	
C3211	ECUX1H472KBV	C.CAPACITOR CH 50V 4700P	1	
C3212	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C3213,14	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C3215,16	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3217	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C3218	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3219	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	1	
C3220	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3221	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C3222	ECUX1H222KBV	C.CAPACITOR CH 50V 2200P	1	
C3223	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3224	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	1	F1J1C105A083
C3225	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C3226	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	1	F1J1C105A083
C3227	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C3228	ECUX1E223KBV	C.CAPACITOR CH 25V 0.023U	1	
C3330-38	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	9	
C3400-08	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	9	
C3410,11	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3412	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C3413-15	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C3416	EEFCD0J470R	E.CAPACITOR 6.3V 47U	1	
C3417	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	1	F1J1C105A083
C3418	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3419	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	1	F1J1C105A083
C3424-26	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C3427-29	EEVHB1C470P	E.CAPACITOR 16V 47U	3	
C3430	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	1	
C3500-05	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	6	
C3507-16	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	10	
C3518	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C3521	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3523	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3524	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C3525	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C3527	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3529	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C3530	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	1	F1J1C105A083
C3531	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3532	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	1	F1J1C105A083
C3533,34	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
D3201,02	MA3J14300L	DIODE	2	
IC3000	LT1963EST	IC	1	
IC3102,03	C0JBAZ001121	IC	2	
IC3104,05	C0JBAZ001137	IC	2	
IC3200	LT1086CM	IC	1	C0CBAYG00001
IC3201	C1AB00001385	IC	1	
IC3203	GS9028-CKA	IC	1	C1AB00000365
IC3204	C1AB00001651	IC	1	
IC3300	C0JBAZ001728	IC	1	
IC3301	C1AB00001648	IC	1	
IC3400	C0JBAZ001728	IC	1	
IC3401	C1AB00001648	IC	1	
IC3402	C1AB00001386	IC	1	
IC3403	C0CBABE00013	IC	1	
IC3404	LT1086CM	IC	1	C0CBAYG00001
IC3405	C0JBAZ001121	IC	1	
IC3500,01	C0JBAZ001121	IC	2	
IC3502	C1ZBZ0001837	IC	1	
IC3505	UPD6456T611Y	IC	1	C1AB00000555
IC3507	C1AB00001386	IC	1	
IC3508	C0JBAZ001003	IC	1	
IC3509,10	C0JBAZ001121	IC	2	
ID3503	VVVSI3855	SOFRWARE	1	
IP3503	C3ZBH0000010	IC	1	
J3200,01	K1QZA1BA0001	CONNECTOR	2	
J3400,01	K1QZA1BA0001	CONNECTOR	2	
J3500	K1QZA1BA0001	CONNECTOR	1	
L3000,01	VLF1151A132	COIL	2	
L3200	VLQ0426J015	COIL 15UH	1	
L3201,02	VLQ0426J010	COIL 1UH	2	
L3400,01	VLQ0426J010	COIL 1UH	2	
L3500,01	VLQ0426J010	COIL 1UH	2	
P3000	K1KA96B00032	CONNECTOR (MALE)	1	
P3500	K1KA08B00147	CONNECTOR (FEMALE)	1	
R3100,01	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R3102-05	D1H84734A008	COMBI.R-R 47K	4	
R3106	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3200	ERJ3RED750	M.RESISTOR CH 1/16W 75	1	
R3201	ERJ3RED390	M.RESISTOR CH 1/16W 39	1	
R3202,03	ERJ3RED750	M.RESISTOR CH 1/16W 75	2	
R3204	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3205	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R3206,07	ERJ3GEYJ123	M.RESISTOR CH 1/16W 12K	2	
R3208	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3209	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	1	
R3210	ERJ6RBD121	M.RESISTOR CH 1/10W 120	1	
R3212	ERJ3EKF3650	M.RESISTOR CH 1/16W 3.6M	1	
R3213	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3214-17	ERJ3RED910	M.RESISTOR CH 1/16W 91	4	
R3218	ERJ6RED560	M.RESISTOR CH 1/10W 56	1	
R3219-22	ERJ6RED750	M.RESISTOR CH 1/10W 75	4	
R3223	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R3224	ERJ3RBD683	M.RESISTOR CH 1/16W 68K	1	
R3225	ERJ6RED750	M.RESISTOR CH 1/10W 75	1	
R3226-28	D1H810140001	COMBI.R-R 100	3	
R3229	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3230	ERJ6RBD361	M.RESISTOR CH 1/10W 360	1	
R3231	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	D0YDR0000005
R3331-33	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	3	
R3334	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3335	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R3336	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3337	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R3400	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3401-03	ERJ3GEYJ181	M.RESISTOR CH 1/16W 180	3	
R3404	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3405-08	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	4	
R3409	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3410	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R3411	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3413	ERJ3EKF3740	M.RESISTOR CH 1/16W 370K	1	
R3414	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3415	ERJ3RED510	M.RESISTOR CH 1/16W 51	1	
R3416-19	ERJ6RED750	M.RESISTOR CH 1/10W 75	4	
R3420	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3421,22	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	2	
R3423	ERJ3GEYJ181	M.RESISTOR CH 1/16W 180	1	
R3424	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3425	ERJ6RBD121	M.RESISTOR CH 1/10W 120	1	
R3426	ERJ6RBD361	M.RESISTOR CH 1/10W 360	1	
R3427	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	D0YDR0000005
R3428-30	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	3	
R3431,32	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	2	
R3500,01	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	2	
R3502-04	D1H810140001	COMBI.R-R 100	3	
R3505,06	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2	
R3508	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3509	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3510	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3511	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3512,13	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3514	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R3515	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3516-18	D1H810140001	COMBI.R-R 100	3	
R3519	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3520	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R3521	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3522-24	D1H810140001	COMBI.R-R 100	3	
R3526	ERJ3EKF3740	M.RESISTOR CH 1/16W 370K	1	
R3527	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R3528	ERJ3RED510	M.RESISTOR CH 1/16W 51	1	
R3529	D1H833040002	COMBI.R-R 83K	1	
R3530,31	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	2	
R3533-37	ERJ6RED750	M.RESISTOR CH 1/10W 75	5	
R3538-41	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	4	D0GB103JA002
R3542	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3543	D1H84734A008	COMBI.R-R 47K	1	
R3545,46	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
TG3000	EYF6CU	TEST POINT	1	
TG3200	EYF6CU	TEST POINT	1	
TG3400	EYF6CU	TEST POINT	1	
		MISCELLANEOUS		
	VML2143	CARD PULLER	1	
	VML2144	CARD PULLER	1	
■ E4	VEP83596C	F4 REC PB P.C.BOARD	1	(RTL)
C3010	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3011	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3012	EEFCD0J470R	E.CAPACITOR 6.3V 47U	1	
C3013-17	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	5	
C3018	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3019	EEFCD0J470R	E.CAPACITOR 6.3V 47U	1	
C3020	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3021-25	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	5	
C3026,27	EEVHB1C100	E.CAPACITOR 16V 10U	2	
C3028-30	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C3031	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C3032-40	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	9	
C3041-44	EEVHB0J470	E.CAPACITOR 6.3V 47U	4	
C3045,46	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3047,48	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	2	
C3050	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3051,52	EEVHB1C100	E.CAPACITOR 16V 10U	2	
C3053-55	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C3056	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C3057	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3058,59	EEVHB1C100	E.CAPACITOR 16V 10U	2	
C3060	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3061-64	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C3065	EEVHP1E3R3	E.CAPACITOR 25V 3.3U	1	
C3066	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3067	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C3068	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3069,70	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3071	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3072	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3073	ECUX1C224KBN	C.CAPACITOR CH 16V 0.22U	1	
C3074	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	1	F1K1C105A026
C3075	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3076	ECUX1C224KBN	C.CAPACITOR CH 16V 0.22U	1	
C3077	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C3079	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C3080-92	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	13	
C3150	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C3151-70	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	20	
C3171	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3172	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3173	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3174	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3180	ECUX1H180JCV	C.CAPACITOR CH 50V 18P	1	
C3181	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C3182	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	1	F1J1C105A083
C3183	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C3184-87	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C3200-07	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	8	
C3210-17	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	8	
C3218	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C3219	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3240	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3241	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C3242-44	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C3260-74	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	15	
C3275	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C3276	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3277	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3278	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3279	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3280,81	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3290-93	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C3300-03	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C3304	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C3305	ECUX1H050CCV	C.CAPACITOR CH 50V 5P	1	
C3307	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3308	ECUX1H050CCV	C.CAPACITOR CH 50V 5P	1	
C3309-24	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	16	
C3325	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3326	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3350-62	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	13	
C3363	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C3364-68	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	5	
C3380-85	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	6	
C3450-57	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	8	
C3458	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C3460-71	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	12	
C3472	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3473-75	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C3500	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C3501-12	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	12	
C3550-53	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C3554	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3555,56	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3557	ECUX1H180JCV	C.CAPACITOR CH 50V 18P	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C3558	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C3559-61	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C3562	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C3600-07	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	8	
C3611	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C3612-15	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C3640	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3641	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C3642-44	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C3670-72	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C3673-75	EEVHB1C470P	E.CAPACITOR 16V 47U	3	
C3676	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C3677	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3678	EEVHP1E3R3	E.CAPACITOR 25V 3.3U	1	
C3679	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C3680-82	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C3700-02	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C3703,04	EEVHB1C470P	E.CAPACITOR 16V 47U	2	
C3705,06	ECUX1H050CCV	C.CAPACITOR CH 50V 5P	2	
C3707	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C3708,09	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	2	
C3710,11	ECUX1H020CCV	C.CAPACITOR CH 50V 2P	2	
C3712	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3713	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C3714	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C3715	ECUX1H680JCV	C.CAPACITOR CH 50V 68P	1	
C3716	EEVHB1C100	E.CAPACITOR 16V 10U	1	
C3717	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C3718	ECUX1H020CCV	C.CAPACITOR CH 50V 2P	1	
C3719,20	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3721	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C3722	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3723	ECUX1H680JCV	C.CAPACITOR CH 50V 68P	1	
C3724,25	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3750	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3752-54	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C3770-74	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	5	
C3801-03	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C3808-11	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C3812	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C3841	ECUX1H120JCV	C.CAPACITOR CH 50V 12P	1	
C3842	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3843	ECUX1H120JCV	C.CAPACITOR CH 50V 12P	1	
C3845	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	
C3846	ECUX1H221JCV	C.CAPACITOR CH 50V 220P	1	
C3847-56	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	10	
C3857	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C3858,59	ECUX1E273KBV	C.CAPACITOR CH 25V 0.027U	2	
C3860	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3951-59	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	9	
D3010	MA3X71600L	DIODE	1	
D3051,52	MA3J14300L	DIODE	2	
D3670	MA3J14300L	DIODE	1	
D3700	MA3J14300L	DIODE	1	
FL3700	VLF1462	FILTER	1	
IC3010	LT1086CM	IC	1	C0CBAYG00001
IC3011	C0CBAAB00021	IC	1	
IC3012	NJM78L09UA	IC	1	C0CBAHC00002
IC3013	C0JBAZ001121	IC	1	
IC3014	C0JBAZ001003	IC	1	
IC3015	NJM79L09UA	IC	1	C0CABBF00001
IC3018	XC62FP3202P	IC	1	
IC3019	C0CBADC00063	IC	1	
IC3020	C0CBBDB00004	IC	1	
IC3050	C0JBAZ001437	IC	1	
IC3051,52	C0ABEB000023	IC	2	
IC3053	TLC2933IPW	IC	1	C0ABFA000012
IC3054	C0JBAF000224	IC	1	
IC3055	BH7086KV	IC	1	C1ZBZ0001649
IC3056	C0JBAB000422	IC	1	
IC3057	C0JBAB000350	IC	1	
IC3058	C0JBAB000422	IC	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
IC3059	C0JBAB000350	IC	1	
IC3060	TLCX257FT	IC	1	
IC3061	C0JBAZ001728	IC	1	
IC3062	C0JBAZ000851	IC	1	
IC3063	TLCX257FT	IC	1	
IC3064-66	C0JBAZ001728	IC	3	
IC3150	C0JBAZ001121	IC	1	
IC3151	C1ZBZ0001836	IC	1	
IC3152	MS51V8221-3G	IC	1	
IC3153	C0JBAF000315	IC	1	
IC3154	C0JBAZ001121	IC	1	
IC3180	L7A1644	IC	1	C1AA00000231
IC3200,01	MN47V07AF	IC	2	
IC3210	MN673797A	IC	1	
IC3211	C0JBAZ001121	IC	1	
IC3240	T220E7202AF1	IC	1	
IC3260	C1ZBZ0001836	IC	1	
IC3261	C0JBAE000238	IC	1	
IC3290-93	MS51V8221-3G	IC	4	
IC3300	MN7F008B4C	IC	1	
IC3301	C3ABQG000041	IC	1	
IC3302	C0JBAB000397	IC	1	
IC3303,04	C0JBAZ000851	IC	2	
IC3350	C1ZBZ0001836	IC	1	
IC3351	DS90LV047A	IC	1	C0ZBZ0000279
IC3352	C0JBAZ001121	IC	1	
IC3380,81	DS90LV048A	IC	2	C0ZBZ0000280
IC3382-85	C0JBAZ000851	IC	4	
IC3450	MN7F008B4C	IC	1	
IC3451,52	C3ABQG000041	IC	2	
IC3500	TLCX257FT	IC	1	
IC3501	MN673797A	IC	1	
IC3502	C0JBAR000368	IC	1	
IC3503,04	C0JBAZ001121	IC	2	
IC3550	L7A1644	IC	1	C1AA00000231
IC3551-54	C0JBAZ001728	IC	4	
IC3600,01	MN47V07AF	IC	2	
IC3610	UPD65943G028	IC	1	
IC3640	T220E7202AF1	IC	1	
IC3670	C0JBAZ001437	IC	1	
IC3674	C0ABEB000023	IC	1	
IC3676	TC7W241FU	IC	1	
IC3704	TC4W53FU	IC	1	
IC3705	LT1228CS8	IC	1	
IC3706	C0FBAD000002	IC	1	
IC3750,51	MS51V8221-3G	IC	2	
IC3752,53	C0JBAF000414	IC	2	
IC3770-74	C0JBAZ001121	IC	5	
IC3801,02	C0JBAZ001121	IC	2	
IC3803	C0JBAZ001137	IC	1	
IC3842	TC7W241FU	IC	1	
IC3951	C0JBAZ001137	IC	1	
IC3952,53	C0JBAA000174	IC	2	
IC3955	TC7W241FU	IC	1	
IC3956	C0JBAZ001003	IC	1	
IC3959	C0JBAB000350	IC	1	
ID0	VVVSI3926	SOFTWARE	1	
ID3841	VVVSI3976A	SOFTWARE	1	
IP3016,17	C1ZBZ0001555	IC	2	
IP3841	C2GBC0000084	MICRO CONTROLLER	1	
L3010,11	VLF1151A132	COIL	2	
L3050-56	VLQ0319K470	COIL 47UH	7	G1C470K00013
L3150,51	VLQ0319K470	COIL 47UH	2	G1C470K00013
L3260,61	VLQ0319K470	COIL 47UH	2	G1C470K00013
L3300	VLQ0319K470	COIL 47UH	1	G1C470K00013
L3450	VLQ0319K470	COIL 47UH	1	G1C470K00013
L3550	VLQ0319K470	COIL 47UH	1	G1C470K00013
L3670-72	VLQ0319K470	COIL 47UH	3	G1C470K00013
L3700-03	VLQ0319K470	COIL 47UH	4	G1C470K00013
L3704,05	VLQ0163J390	COIL 39UH	2	
L3706,07	VLQ0163J150	COIL 15UH	2	
L3708	VLQ0319K470	COIL 47UH	1	G1C470K00013

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
L3841	VLQ0319K470	COIL 47UH	1	G1C470K00013
P3001,02	K1KA96B00032	CONNECTOR (MALE)	2	
P3010	K1KA08B00147	CONNECTOR (FEMALE)	1	
P3841	K1KA10A00303	CONNECTOR (MALE)	1	
P3951	VJS3791B020	CONNECTOR (FEMALE)	1	
Q3700	2SB0709ALL	TRANSISTOR	1	
Q3701	2SA1532-B	TRANSISTOR	1	
Q3702	2SB0709ALL	TRANSISTOR	1	
R3011	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3012	D1H810240001	COMBI.R-R 81	1	
R3013,14	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3015	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3016,17	D1H810240001	COMBI.R-R 81	2	
R3018,19	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3020	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3021	D0GZ103J0001	M.RESISTOR CH 10K	1	
R3022	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3024-26	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R3028	D1H810240001	COMBI.R-R 81	1	
R3029,30	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R3031	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3034	ERJ3RBD101	M.RESISTOR CH 1/16W 100	1	
R3035	ERJ3RED470	M.RESISTOR CH 1/16W 47	1	
R3050	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3052,53	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	2	
R3054	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	1	
R3055	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R3056,57	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	2	
R3058	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
R3060	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3061	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R3062,63	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	2	
R3064	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3066	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R3067	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R3068	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R3069	ERJ3GEYJ183	M.RESISTOR CH 1/16W 18K	1	
R3070,71	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R3072	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R3073	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R3075	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3076	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3077	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3078	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3079	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3080	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R3081	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R3082	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3086,87	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	2	
R3088	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3089	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3090	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3091-93	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	3	
R3094-96	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	3	
R3099-10	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	12	
R3111	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3112	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3113,14	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R3116	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R3150	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R3151	D1H84734A008	COMBI.R-R 47K	1	
R3152	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3153	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3154	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3155,56	D1H84734A008	COMBI.R-R 47K	2	
R3157	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3158,59	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R3160	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3161	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3162	D1H84734A008	COMBI.R-R 47K	1	
R3163,64	D1H84704A008	COMBI.R-R 47	2	
R3166	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R3168	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3169	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3180	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R3181	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3182,83	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R3184	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3185	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3186,87	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3188,89	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R3190	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3210	D1H84734A008	COMBI.R-R 47K	1	
R3212	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3213	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3215,16	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	2	
R3217,18	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3219-24	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	6	D0GB103JA002
R3225,26	D1H810140001	COMBI.R-R 100	2	
R3227,28	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R3229,30	D1H810240001	COMBI.R-R 1K	2	
R3240-44	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	5	
R3245	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3246-48	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R3260	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3261	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3262	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3263	D1H810240001	COMBI.R-R 1K	1	
R3264	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3265	D1H810240001	COMBI.R-R 1K	1	
R3266-68	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R3270	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3290-93	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	4	
R3300,01	D1H810240001	COMBI.R-R 1K	2	
R3302	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3303	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3304	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R3305	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3307	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3308	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R3310,11	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3312	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3313-15	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	3	
R3316,17	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3319-21	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	3	
R3323	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3350-55	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	6	
R3356	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3357-60	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	4	
R3361	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3362-67	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	6	
R3368	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3370-72	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R3373	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3374,75	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3385-92	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	8	
R3393,94	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R3395-02	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	8	
R3403,04	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R3409-12	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	4	
R3452-55	D0GZ103J0001	M.RESISTOR CH 10K	4	
R3456	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3457	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3458	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R3459	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3460	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3461-64	ERJ3GEYJ203	M.RESISTOR CH 1/16W 20K	4	
R3465-67	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	D0GB103JA002
R3468	ERJ3GEYJ203	M.RESISTOR CH 1/16W 20K	1	
R3469,70	D1H810240001	COMBI.R-R 1K	2	
R3471-74	ERJ3GEYJ203	M.RESISTOR CH 1/16W 20K	4	
R3475-77	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	D0GB103JA002
R3478-82	ERJ3GEYJ203	M.RESISTOR CH 1/16W 20K	5	
R3483-85	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	D0GB103JA002
R3486	ERJ3GEYJ203	M.RESISTOR CH 1/16W 20K	1	
R3500	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3501	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R3502-05	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	4	D0GB103JA002
R3506	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3507,08	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	2	
R3509,10	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R3511,12	D1H810140001	COMBI.R-R 100	2	
R3513	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3514,15	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R3516	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3517,18	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R3519,20	D1H84704A008	COMBI.R-R 47	2	
R3521	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3523	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3550	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R3551,52	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R3553	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3554	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3556,57	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3558,59	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	2	
R3560	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3561	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3562-65	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	4	
R3566-84	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	19	
R3610	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3611	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3613	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R3614	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3641-43	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R3645-47	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R3648	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3649,50	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3652,53	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3670	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R3671	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R3672,73	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	2	
R3674	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R3675	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R3676	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3677	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3700	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3701,02	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	2	
R3705,06	ERJ3RBD681	M.RESISTOR CH 1/16W 680	2	
R3707	ERJ3RBD391	M.RESISTOR CH 1/16W 390	1	
R3708	ERJ3RBD361	M.RESISTOR CH 1/16W 360	1	
R3709	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3710	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3711	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R3712	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3713	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R3714	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R3715	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3716,17	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	2	
R3718	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3719	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3720	ERJ3RBD271	M.RESISTOR CH 1/16W 270	1	
R3721	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R3722	ERJ3GEYJ124	M.RESISTOR CH 1/16W 120K	1	
R3724	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R3728	ERJ3RBD392	M.RESISTOR CH 1/16W 3.9K	1	
R3729	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R3730	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3750,51	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R3752,53	D1H84704A008	COMBI.R-R 47	2	
R3754	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3755	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R3770,71	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3772	D1H810240001	COMBI.R-R 1K	1	
R3775-78	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	4	
R3779-85	D1H84704A008	COMBI.R-R 47	7	
R3786	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3787-89	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	3	
R3790,91	D1H84734A008	COMBI.R-R 47K	2	
R3792	D1H810240001	COMBI.R-R 1K	1	
R3793	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R3796	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3802	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3803,04	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R3805	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3809,10	D1H84734A008	COMBI.R-R 47K	2	
R3815,16	D0GZ220J0001	M.RESISTOR CH 22	2	
R3841	D1H810240001	COMBI.R-R 1K	1	
R3842	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3843	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R3844	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3845	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R3846	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3847,48	D0GZ220J0001	M.RESISTOR CH 22	2	
R3849	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3850	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3851	D1H810240001	COMBI.R-R 1K	1	
R3852,53	D1H84734A008	COMBI.R-R 47K	2	
R3854	D0GZ103J0001	M.RESISTOR CH 10K	1	
R3855	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3856	D0GZ220J0001	M.RESISTOR CH 22	1	
R3857	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3858	D1H833040002	COMBI.R-R 33	1	
R3861,62	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3863	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R3866	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3868	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3869	D0GZ220J0001	M.RESISTOR CH 22	1	
R3870	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3871	D1H833040002	COMBI.R-R 33	1	
R3873,74	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2	
R3875-78	ERJ3GEYJ203	M.RESISTOR CH 1/16W 20K	4	
R3879	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3880-82	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	D0GB103JA002
R3883	ERJ3GEYJ203	M.RESISTOR CH 1/16W 20K	1	
R3884-91	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	8	
R3892-95	D0GZ220J0001	M.RESISTOR CH 22	4	
R3951,52	D1H847240002	COMBI.R-R 4.7K	2	
R3953	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R3954	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3955	D1H84704A008	COMBI.R-R 47	1	
R3956	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3957	D1H810240001	COMBI.R-R 1K	1	
R3958,59	D1H847240002	COMBI.R-R 4.7K	2	
R3960	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R3961	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3962	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3963,64	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R3965	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3966	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R3967	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3968,69	D1H84704A008	COMBI.R-R 47	2	
TG3020-25	EYF6CU	TEST POINT	6	
TP3150	EYF6CU	TEST POINT	1	
TP3180	EYF6CU	TEST POINT	1	
TP3211,12	EYF6CU	TEST POINT	2	
TP3266	EYF6CU	TEST POINT	1	
TP3323	EYF6CU	TEST POINT	1	
TP3455-59	EYF6CU	TEST POINT	5	
TP3511,12	EYF6CU	TEST POINT	2	
TP3550	EYF6CU	TEST POINT	1	
TP3700	EYF6CU	TEST POINT	1	
TP3880,81	EYF6CU	TEST POINT	2	
TP3886	EYF6CU	TEST POINT	1	
VR3700	VRV0113B501	V.RESISTOR 500	1	
VR3701	VRV0113B102	V.RESISTOR 1K	1	D3EC41020001
X3050	VSX0788	CRYSTAL OSCILLATOR	1	H1C2705B0006
X3300	VSX0919	CRYSTAL OSCILLATOR	1	H0J417500001
X3670	VSX0975	CRYSTAL OSCILLATOR	1	H1C2295B0001
X3671	VSX0973	CRYSTAL OSCILLATOR	1	H1C1385B0001
X3841	H0J921400004	CRYSTAL OSCILLATOR	1	
		MISCELLANEOUS		

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
	VML2143	CARD PULLER	1	
	VML2144	CARD PULLER	1	
■ E5	VEP83597C	F5 V OUT P.C.BOARD	1	(RTL)
C3001,02	EEVHB0J101	E.CAPACITOR 6.3V 100U	2	
C3003,04	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3010	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3011	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C3012-21	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	10	
C3050	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C3051	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3052	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3053-64	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	12	
C3065	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	1	
C3070-73	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C3080-84	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	5	
C3090-96	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	7	
C3100	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3101	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C3102-08	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	7	
C3150	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3151	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3152,53	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3154	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C3155-72	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	18	
C3173	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	1	
C3200	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3201	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3202	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C3203,04	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3208,09	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	2	
C3210-12	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C3214,15	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3216,17	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	2	F1K1C105A026
C3218-20	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C3221	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	
C3222,23	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3224	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3225,26	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3227	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3228,29	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3230	ECUX1H680JCV	C.CAPACITOR CH 50V 68P	1	
C3231-35	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	5	
C3236,37	ECJ1VC1H560J	C.CAPACITOR CH 50V 560P	2	
C3238-43	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	6	
C3244	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C3245	ECUX1H220JCV	C.CAPACITOR CH 50V 22P	1	
C3246-49	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C3250	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3251-53	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	3	
C3300-07	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	8	
C3308-11	EEVHB0J470	E.CAPACITOR 6.3V 47U	4	
C3312,13	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3314,15	ECUX1H390JCV	C.CAPACITOR CH 50V 39P	2	
C3316	ECUX1H270JCV	C.CAPACITOR CH 50V 27P	1	
C3317	ECUX1H100DCV	C.CAPACITOR CH 50V 10P	1	
C3321	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	1	
C3323	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	1	
C3325	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	1	
C3326-41	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	16	
C3342-44	ECJ1VC1H181J	C.CAPACITOR CH 50V 180P	3	
C3345-47	ECUX1H270JCV	C.CAPACITOR CH 50V 27P	3	
C3359,60	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	2	
C3400-03	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C3404,05	EEVHB0J470	E.CAPACITOR 6.3V 47U	2	
C3406-11	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	6	
C3412	ECUX1H680JCV	C.CAPACITOR CH 50V 68P	1	
C3413-18	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	6	
C3419	ECUX1H100DCV	C.CAPACITOR CH 50V 10P	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C3420	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3421	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C3422,23	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3424	ECUX1H270JCV	C.CAPACITOR CH 50V 27P	1	
C3425	ECUX1H220JCV	C.CAPACITOR CH 50V 22P	1	
C3426,27	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3429	ECUX1H270JCV	C.CAPACITOR CH 50V 27P	1	
C3430,31	EEVHB0J470	E.CAPACITOR 6.3V 47U	2	
C3432	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C3433	ECUX1H220JCV	C.CAPACITOR CH 50V 22P	1	
C3434-43	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	10	
C3444	ECJ1VC1H560J	C.CAPACITOR CH 50V 560P	1	
C3445-48	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C3449-52	EEVHB0J470	E.CAPACITOR 6.3V 47U	4	
C3455,56	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3458	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C3459-61	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C3463	ECUX1H100DCV	C.CAPACITOR CH 50V 10P	1	
C3464	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3466	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3467	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C3468	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3469,70	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	2	
C3500-07	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	8	
C3508-11	EEVHB0J470	E.CAPACITOR 6.3V 47U	4	
C3512,13	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	2	
C3514	ECUX1H390JCV	C.CAPACITOR CH 50V 39P	1	
C3515	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C3516	ECUX1H070DCV	C.CAPACITOR CH 50V 7P	1	
C3517-19	ECUX1H220JCV	C.CAPACITOR CH 50V 22P	3	
C3520,21	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	2	
C3522,23	ECUX1H220JCV	C.CAPACITOR CH 50V 22P	2	
C3524-37	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	14	
C3538-40	ECJ1VC1H181J	C.CAPACITOR CH 50V 180P	3	
C3541-43	ECUX1H270JCV	C.CAPACITOR CH 50V 27P	3	
C3544,45	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	2	
C3600	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3601,02	EEVHB1C470P	E.CAPACITOR 16V 47U	2	
C3603	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C3604	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3605	ECUX1H180JCV	C.CAPACITOR CH 50V 18P	1	
C3606,07	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	2	
C3608	ECUX1H680JCV	C.CAPACITOR CH 50V 68P	1	
C3609	ECJ1VC1H181J	C.CAPACITOR CH 50V 180P	1	
C3610,11	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C3612	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C3613	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C3614	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3615,16	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	2	
C3617	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3618	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3619-22	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C3623	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3624	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3625,26	ECUX1H390JCV	C.CAPACITOR CH 50V 39P	2	
C3627-29	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C3630,31	ECUX1H100DCV	C.CAPACITOR CH 50V 10P	2	
C3632	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3633	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	1	
C3700,01	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3702	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C3703,04	EEVHB0J470	E.CAPACITOR 6.3V 47U	2	
C3705-07	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C3708	ECUX1H820JCV	C.CAPACITOR CH 50V 82P	1	
C3709-11	EEVHB0J470	E.CAPACITOR 6.3V 47U	3	
C3712,13	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3714,15	EEVHB0J470	E.CAPACITOR 6.3V 47U	2	
C3716-18	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C3719	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C3720-23	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C3724	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	
C3725	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	1	F1K1C105A026
C3726-29	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C3730,31	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	2	
C3732	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C3733	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	1	F1K1C105A026
C3734,35	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3736	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	
C3737	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3738-41	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	4	
C3742	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3743,44	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	2	
C3745-50	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	6	
C3752,53	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	2	
C3800	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C3801-06	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	6	
C3900-06	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	7	
C3907	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3908	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	1	
D3300-02	MA3068-M	DIODE	3	
D3500-02	MA3068-M	DIODE	3	
D3600	MA142WK	DIODE	1	
D3601	MA3X71600L	DIODE	1	
D3700,01	MA142K	DIODE	2	
D3702,03	MA335-R	DIODE	2	
D3704	MA142K	DIODE	1	
FL3200,01	VLF1476	FILTER	2	J0E3504B0004
FL3202	VLF1354	FILTER	1	
FL3400,01	VLF1354	FILTER	2	
IC3010	C0JBAZ001003	IC	1	
IC3011,12	C0JBAZ001121	IC	2	
IC3013	C0JBAZ001137	IC	1	
IC3015	74LCX240MTCX	IC	1	C0JBAZ001775
IC3016	C0JBAZ001121	IC	1	
IC3017	MS51V8221-3G	IC	1	
IC3018	C0JBAE000238	IC	1	
IC3050	C0CBAAB00021	IC	1	
IC3051	74LCX240MTCX	IC	1	C0JBAZ001775
IC3052	C1ZBZ0001836	IC	1	
IC3070	T160G70-1601	IC	1	
IC3080-83	MS51V8221-3G	IC	4	
IC3084	C0JBAZ001102	IC	1	
IC3090	MB87D132	IC	1	C1ZBZ0001516
IC3091-93	C0JBAZ001121	IC	3	
IC3100	UPD65944G020	IC	1	
IC3150	C0CBAAB00021	IC	1	
IC3151,52	C0JBAZ001121	IC	2	
IC3153	C1ZBZ0002123	IC	1	
IC3154	AK6440AF	IC	1	
IC3200	C0CBADD00003	IC	1	
IC3201	C0ZBZ0000504	IC	1	
IC3202	M62370GP	IC	1	C0FBBD000082
IC3203	C0CBADD00003	IC	1	
IC3204	C0ABEB000023	IC	1	
IC3205	C0CBBDB00004	IC	1	
IC3206,07	C0ZBZ0000569	IC	2	
IC3208	NJM2534V	IC	1	
IC3209	C0CBADD00003	IC	1	
IC3300	C0CBADD00003	IC	1	
IC3301	C0CBBDB00004	IC	1	
IC3302	C0CBADD00003	IC	1	
IC3303	C0CBBDB00004	IC	1	
IC3304,05	C0ABGB000013	IC	2	
IC3306	C0ZBZ0000569	IC	1	
IC3307	C0ABGB000013	IC	1	
IC3308-12	C0ZBZ0000569	IC	5	
IC3400	C0CBADD00003	IC	1	
IC3401	C0CBBDB00004	IC	1	
IC3402,03	C0ABEB000023	IC	2	
IC3404	C0CBADD00003	IC	1	
IC3405	C0CBBDB00004	IC	1	
IC3406	C0ZBZ0000569	IC	1	
IC3407	NJM2534V	IC	1	
IC3408	C0ABGB000013	IC	1	
IC3409	C0ZBZ0000569	IC	1	
IC3410	C0CBADD00003	IC	1	
IC3411	C0CBBDB00004	IC	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
IC3412	C0CBADD00003	IC	1	
IC3413	C0CBBDB00004	IC	1	
IC3414	C0ZBZ0000569	IC	1	
IC3415	C0ABGB000013	IC	1	
IC3416	C0ZBZ0000569	IC	1	
IC3417	C0ABGB000013	IC	1	
IC3500	C0CBADD00003	IC	1	
IC3501	C0CBBDB00004	IC	1	
IC3502	C0CBADD00003	IC	1	
IC3503	C0CBBDB00004	IC	1	
IC3504,05	C0JBAA000175	IC	2	
IC3506-08	NJM2534V	IC	3	
IC3600	AN91A12S	IC	1	
IC3601	NJM78L09UA	IC	1	C0CBAHC00002
IC3602	C0JBAZ001713	IC	1	
IC3603	C0CBBDB00004	IC	1	
IC3604	C0JBAR000111	IC	1	
IC3605	C0CBADD00003	IC	1	
IC3606	NJM360M	IC	1	C0BBZB000001
IC3607	C0JBAC000242	IC	1	
IC3608	SN74LS221NS	IC	1	
IC3609	C0JBAB000541	IC	1	
IC3700	C0CBADD00003	IC	1	
IC3701	C0CBBDB00004	IC	1	
IC3702	C0JBAS000075	IC	1	
IC3703	NJM360M	IC	1	C0BBZB000001
IC3704	C0JBAZ001591	IC	1	
IC3705-07	C0ABEB000023	IC	3	
IC3708	C0JBAR000111	IC	1	
IC3709,10	NJM360M	IC	2	C0BBZB000001
IC3711	C0JBAZ001713	IC	1	
IC3800,01	C0JBAZ001437	IC	2	
IC3802	UPD65650J203	IC	1	C1ZBZ0001380
IC3900-02	C0JBAZ001121	IC	3	
IC3903,04	74LCX240MTCX	IC	2	C0JBAZ001775
IC3905	AN77L03M	IC	1	
ID3880	VVVSI3941	SOFTWARE	1	
IP3010	C1ZBZ0001555	IC	1	
IP3018	C1ZBZ0001555	IC	1	
L3001,02	VLF1151A132	COIL	2	
L3300,01	VLQ0163J560	COIL 56UH	2	
L3302	VLQ0163J120	COIL 12UH	1	G1C120J00001
L3400	VLQ0163J120	COIL 12UH	1	G1C120J00001
L3500	VLQ0163J180	COIL 18UH	1	G1C180J00001
L3600	VLQ0163J101	COIL 100UH	1	
L3601	G1C221J00003	COIL 220UH	1	
L3602	VLQ0163J680	COIL 68UH	1	
L3603	VLQ0163J390	COIL 39UH	1	
L3700	VLQ0163J470	COIL 47UH	1	
L3701	G1C221J00003	COIL 220UH	1	
L3702-05	VLQ0163J470	COIL 47UH	4	
P3001,02	K1KA96B00032	CONNECTOR (MALE)	2	
P3010	K1KA08B00147	CONNECTOR (FEMALE)	1	
Q3200-02	2SB709A	TRANSISTOR	3	
Q3203-06	2SD601A	TRANSISTOR	4	
Q3207-09	2SB709A	TRANSISTOR	3	
Q3210-14	2SD601A	TRANSISTOR	5	
Q3215	2SA1532-B	TRANSISTOR	1	
Q3216	2SB709A	TRANSISTOR	1	
Q3300-02	2SB709A	TRANSISTOR	3	
Q3303-08	2SD601A	TRANSISTOR	6	
Q3400-02	2SB709A	TRANSISTOR	3	
Q3403,04	2SD601A	TRANSISTOR	2	
Q3405,06	2SB709A	TRANSISTOR	2	
Q3407,08	2SD601A	TRANSISTOR	2	
Q3409	2SB709A	TRANSISTOR	1	
Q3410	2SA1532-B	TRANSISTOR	1	
Q3411,12	2SD601A	TRANSISTOR	2	
Q3413	2SB709A	TRANSISTOR	1	
Q3414	2SA1532-B	TRANSISTOR	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
Q3415,16	2SB709A	TRANSISTOR	2	
Q3417	2SD601A	TRANSISTOR	1	
Q3500-04	2SA1532-B	TRANSISTOR	5	
Q3505-10	2SB709A	TRANSISTOR	6	
Q3511-16	2SD601A	TRANSISTOR	6	
Q3700	2SB709A	TRANSISTOR	1	
Q3701-04	2SK608	TRANSISTOR	4	
QR3200	UNR521300L	TRANSISTOR	1	
R3001	D1H810240001	COMBI.R-R 1K	1	
R3010	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3011,12	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R3013	D1H810240001	COMBI.R-R 1K	1	
R3014	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3015,16	D1H84734A008	COMBI.R-R 47K	2	
R3017	D0GZ103J0001	M.RESISTOR CH 10K	1	
R3020-22	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	3	
R3025	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3030	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3031	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3033,34	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R3036	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3050	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3051	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3055	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3070	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R3080	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3081,82	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3085-88	D1H84734A008	COMBI.R-R 47K	4	
R3090	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3091	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3093	D1H810240001	COMBI.R-R 1K	1	
R3106	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3150,51	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R3152	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3153	D1H84734A008	COMBI.R-R 47K	1	
R3200	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3201-03	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	D0GB103JA002
R3204-06	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	3	
R3207,08	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R3209,10	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2	
R3213,14	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	2	
R3215	ERJ3RBD301	M.RESISTOR CH 1/16W 300	1	
R3216,17	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R3218,19	ERJ3RBD301	M.RESISTOR CH 1/16W 300	2	
R3220	ERJ3RBD272	M.RESISTOR CH 1/16W 2.7K	1	
R3221	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3222	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3223	ERJ3RBD301	M.RESISTOR CH 1/16W 300	1	
R3224,25	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R3226	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3227,28	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R3229,30	ERJ3RBD301	M.RESISTOR CH 1/16W 300	2	
R3231	ERJ3GEYJ123	M.RESISTOR CH 1/16W 12K	1	
R3232	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R3233	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R3234	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	1	
R3235	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R3236	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3237	ERJ3GEYJ151	M.RESISTOR CH 1/16W 150	1	
R3238	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R3239	ERJ3GEYJ680	M.RESISTOR CH 1/16W 68	1	
R3240-44	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	5	
R3245	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R3246,47	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3248	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3249	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R3250	ERJ3GEYJ123	M.RESISTOR CH 1/16W 12K	1	
R3251,52	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	2	
R3253	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R3254	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R3255	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R3256	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R3257	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R3258	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R3259	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3260,61	ERJ3GEYJ121	M.RESISTOR CH 1/16W 120	2	
R3262	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R3263	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3264,65	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	2	
R3266	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3267	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3268	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3300,01	ERJ3GEYJ391	M.RESISTOR CH 1/16W 390	2	
R3304	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3305	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R3306-08	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	3	
R3309-11	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	3	
R3312-14	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R3318-20	ERJ3GEYJ151	M.RESISTOR CH 1/16W 150	3	
R3321	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R3322	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3323	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3324,25	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	2	
R3326,27	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R3328,29	ERJ6GEYG121	M.RESISTOR CH 1/10W 120	2	D0GD121JA003
R3330,31	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	2	
R3332-35	ERJ6GEYG121	M.RESISTOR CH 1/10W 120	4	D0GD121JA003
R3336	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3337	ERJ6RED750	M.RESISTOR CH 1/10W 75	1	
R3338	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3339	ERJ6RED750	M.RESISTOR CH 1/10W 75	1	
R3340	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3341	ERJ6RED750	M.RESISTOR CH 1/10W 75	1	
R3342	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R3343,44	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	2	
R3400,01	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R3402	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3403	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R3404	ERJ3GEYJ123	M.RESISTOR CH 1/16W 12K	1	
R3405	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R3406	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R3407,08	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R3409	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	1	
R3410	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3411	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3412	ERJ3GEYJ151	M.RESISTOR CH 1/16W 150	1	
R3413	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R3414	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3415	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3416,17	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R3418	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R3419	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3420	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3421	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R3422	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R3423,24	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R3425	ERJ3GEYJ680	M.RESISTOR CH 1/16W 68	1	
R3426,27	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R3428	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R3429	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3430	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R3431	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R3432	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3433	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3434	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3435	ERJ3GEYJ680	M.RESISTOR CH 1/16W 68	1	
R3436	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R3437	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R3438	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3439	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3441	ERJ3RED680	M.RESISTOR CH 1/16W 68	1	
R3442	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R3443	ERJ3RBD821	M.RESISTOR CH 1/16W 820	1	
R3444	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R3446	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R3447	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3448	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R3449	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R3450	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3451	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3452	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3453,54	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R3456	ERJ3GEYJ151	M.RESISTOR CH 1/16W 150	1	
R3457,58	ERJ3RBD152	M.RESISTOR CH 1/16W 1.5K	2	
R3461-63	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	3	
R3464	ERJ3RBD152	M.RESISTOR CH 1/16W 1.5K	1	
R3466	ERJ3RBD152	M.RESISTOR CH 1/16W 1.5K	1	
R3467	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3468	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3469	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R3471	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R3500	ERJ3GEYJ750	M.RESISTOR CH 1/16W 75	1	
R3502	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	1	
R3503-05	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	3	
R3506,07	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R3508,09	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	2	
R3510	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R3511	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R3512	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	
R3513	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R3514,15	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	2	
R3516	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R3518,19	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R3520,21	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	2	
R3522	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3523-25	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	3	
R3526	ERJ3GEYJ151	M.RESISTOR CH 1/16W 150	1	
R3527,28	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R3529-31	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	3	
R3532-34	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	3	
R3535-37	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	3	
R3538-43	ERJ6GEYG121	M.RESISTOR CH 1/10W 120	6	D0GD121JA003
R3544	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3545	ERJ6RED750	M.RESISTOR CH 1/10W 75	1	
R3546	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3547	ERJ6RED750	M.RESISTOR CH 1/10W 75	1	
R3548	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3549	ERJ6RED750	M.RESISTOR CH 1/10W 75	1	
R3550-54	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	5	
R3600	ERJ3GEYJ224	M.RESISTOR CH 1/16W 220K	1	
R3601	ERJ3GEYJ684	M.RESISTOR CH 1/16W 680K	1	
R3602	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3603	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R3604	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3605,06	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	2	
R3607	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R3609	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3610	ERJ3GEYJ184	M.RESISTOR CH 1/16W 180K	1	
R3611	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3612	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	1	
R3613	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3614,15	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R3617,18	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R3700	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3701	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R3702	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R3703	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3704	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R3705	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3706	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R3707	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	1	
R3708	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R3709	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	1	
R3711,12	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	2	
R3713	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R3714,15	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R3716	ERJ3GEYJ123	M.RESISTOR CH 1/16W 12K	1	
R3717,18	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R3719	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R3720	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	1	
R3721	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	1	
R3722	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R3723	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R3724	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R3725	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R3726	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R3727	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R3728	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3729	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R3730-33	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	4	
R3734,35	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	2	
R3736	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3737,38	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	2	
R3739	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R3740,41	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R3743	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3744	ERJ3GEYJ823	M.RESISTOR CH 1/16W 82K	1	
R3745	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R3746	ERJ3GEYJ823	M.RESISTOR CH 1/16W 82K	1	
R3747	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R3753,54	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3800-02	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	3	
R3805	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3806	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3900-02	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	3	
R3903-07	D1H833040002	COMBI.R-R 33	5	
R3908	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R3909-11	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	3	
R3912-16	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	5	
R3917-24	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	8	
TG3601	EYF6CU	TEST POINT	1	
TG3702	EYF6CU	TEST POINT	1	
TG3800	EYF6CU	TEST POINT	1	
TP3153	EYF6CU	TEST POINT	1	
TP3600	EYF6CU	TEST POINT	1	
TP3700,01	EYF6CU	TEST POINT	2	
TP3802-04	EYF6CU	TEST POINT	3	
TP3806	EYF6CU	TEST POINT	1	
VC3700,01	ECV1ZW20X53T	TRIMMER	2	
VR3600,01	EVMEGSA00B14	V.RESISTOR 10K	2	
VR3700,01	EVMEGSA00B14	V.RESISTOR 10K	2	
X3700	H0D177500007	CRYSTAL OSCILLATOR	1	
X3701	H0D143500030	CRYSTAL OSCILLATOR	1	
X3702	VSX0788	CRYSTAL OSCILLATOR	1	H1C2705B0006
		MISCELLANEOUS		
	VML2143	CARD PULLER	1	
	VML2144	CARD PULLER	1	
■ E6	VEP86326C	F6 SYSCON P.C.BOARD	1	(RTL)
C100-07	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	8	
C108,09	EEVHB0J470	E.CAPACITOR 6.3V 47U	2	
C110,11	EEVHB1C470P	E.CAPACITOR 16V 47U	2	
C112-15	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C116,17	EEVHB0J470	E.CAPACITOR 6.3V 47U	2	
C118	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C119	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C120,21	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C122	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C123-25	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C126	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C127-30	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	4	
C200,01	ECUX1H120JCV	C.CAPACITOR CH 50V 12P	2	
C202,03	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C204	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	
C205	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C206	ECUX1H221JCV	C.CAPACITOR CH 50V 220P	1	
C207-17	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	11	
C218	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C219-22	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C224-27	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C229	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C300	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C301-04	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	4	
C305-07	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C308-10	EEVHB1C470P	E.CAPACITOR 16V 47U	3	
C400-03	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C405-07	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C500	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C502-06	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	5	
C600	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C601-08	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	8	
C609,10	EEVHB0J470	E.CAPACITOR 6.3V 47U	2	
C611-13	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C614	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C700	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	
C701	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	1	
C702-05	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C706	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C707	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C708	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	
C709	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C710	ECUX1H221JCV	C.CAPACITOR CH 50V 220P	1	
C711-21	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	11	
C722	ECUX1H120JCV	C.CAPACITOR CH 50V 12P	1	
C723	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	1	
C724	ECUX1H120JCV	C.CAPACITOR CH 50V 12P	1	
C725,26	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	2	
C727-30	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C800-02	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C803	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C804	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C805	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C900,01	VCK0152	C.CAPACITOR	2	F1L1C1060016
C903-06	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C907,08	VCK0152	C.CAPACITOR	2	F1L1C1060016
C909	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C910	VCK0152	C.CAPACITOR	1	F1L1C1060016
C911,12	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C913	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C914	ECUX1H120JCV	C.CAPACITOR CH 50V 12P	1	
C915	ECUX1H561JCV	C.CAPACITOR CH 50V 560P	1	
C916	ECUX1H821JCV	C.CAPACITOR CH 50V 820P	1	
C917	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C918	VCK0152	C.CAPACITOR	1	F1L1C1060016
C919-22	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C923,24	EEVHP1A330	E.CAPACITOR 10V 33U	2	
C925,26	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C927	VCK0152	C.CAPACITOR	1	F1L1C1060016
C1000-24	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	25	
C1100-04	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	5	
C1106-08	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C1200-06	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	7	
C1300-02	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
D100	MA3X71600L	DIODE	1	
D204-08	MA3X71600L	DIODE	5	
D500-06	MA3X71600L	DIODE	7	
D702	MA147	DIODE	1	
D900,01	MA147	DIODE	2	
D903,04	MA147	DIODE	2	
D1000	MA147	DIODE	1	
D1001-11	MA3X71600L	DIODE	11	
IC100	NJM78L09UA	IC	1	C0CBAHC00002
IC101	NJM79L09UA	IC	1	C0CABBF00001
IC102	C0CBADD00003	IC	1	
IC103	C0CBBDB00004	IC	1	
IC104	C0CBAAB00021	IC	1	
IC105	XC62FP3202P	IC	1	
IC106	C0CBAAB00021	IC	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
IC201	C0JBAA000174	IC	1	
IC202	C0JBAB000350	IC	1	
IC203	C0JBAA000174	IC	1	
IC300	ADM202JRN	IC	1	C0ZBZ0000171
IC301	C0JBAZ001137	IC	1	
IC304	C3ZBD0000004	IC	1	
IC400,01	C0JBAZ001647	IC	2	
IC402,03	SN75C1168NS	IC	2	
IC405	C0JBAZ001121	IC	1	
IC406	UPD6456T611Y	IC	1	C1AB00000555
IC407	C0JBAZ001121	IC	1	
IC500	C0JBAZ001120	IC	1	
IC502	C0JBAZ000994	IC	1	
IC503	SN74LV04APW	IC	1	C0JBAB000247
IC504	C0JBAB000354	IC	1	
IC505	C0JBAB000350	IC	1	
IC506	C0JBAZ001121	IC	1	
IC600	C1ZBZ0001836	IC	1	
IC700	SN74LV04APW	IC	1	C0JBAB000247
IC701	TL7705CPSB	IC	1	C0EBS0000002
IC702	C0JBAA000174	IC	1	
IC703	S80727ANDQ	IC	1	
IC704	C0JBAA000174	IC	1	
IC705	C0JBAZ001120	IC	1	
IC706	C0JBAA000261	IC	1	
IC707	C0JBAZ001591	IC	1	
IC800	C1AB00000936	IC	1	
IC900	TC4W53FU	IC	1	
IC901	C0ABBB000032	IC	1	
IC902	C0ABBB000196	IC	1	
IC903	C0ABBB000032	IC	1	
IC904	C0BBBA000044	IC	1	
IC905	C0ABBB000196	IC	1	
IC906	C0ABBB000032	IC	1	
IC907	TC4W53FU	IC	1	
IC1000-02	C0ABFB000012	IC	3	
IC1100-03	C0JBAZ001121	IC	4	
IC1104	C0JBAZ001137	IC	1	
IC1105	C0JBAZ001121	IC	1	
IC1106	C0JBAA000174	IC	1	
IC1107	C0JBAZ001121	IC	1	
IC1200-03	C0JBAZ001121	IC	4	
IC1204	C0JBAZ000994	IC	1	
IC1205	SN74LV04APW	IC	1	C0JBAB000247
IC1206	C0JBAZ001647	IC	1	
IC1300	C0JBAZ001003	IC	1	
ID200	VVVSI3943B	SOFTWARE	1	
ID700	VVVSI3942	SOFTWARE	1	
ID1300	VVVSI3931	SOFTWARE	1	
IP200	C2DBLK000001	IC	1	
IP700	C2DBLK000001	IC	1	
IP1300	C1ZBZ0001555	IC	1	
L100,01	VLF1151A132	COIL	2	
L200-02	VLQ0163J470	COIL 47UH	3	
L600	VLQ0163J470	COIL 47UH	1	
L700-02	VLQ0163J470	COIL 47UH	3	
L6001,02	VLQ0163J470	COIL 47UH	2	
P1,P2	K1KA96B00032	CONNECTOR (MALE)	2	
P200	VJS3791B020	CONNECTOR (FEMALE)	1	
P201	K1KA10A00303	CONNECTOR (MALE)	1	
P700	VJS3791B020	CONNECTOR (FEMALE)	1	
P701	K1KA10A00303	CONNECTOR (MALE)	1	
QR1100	UNR521300L	TRANSISTOR	1	
R100	D1H810240001	COMBI.R-R 1K	1	
R200	D1H84734A008	COMBI.R-R 47K	1	
R201	D1H84704A008	COMBI.R-R 47	1	
R203	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R204	D1H810240001	COMBI.R-R 1K	1	
R205	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R206,07	D1H84704A008	COMBI.R-R 47	2	
R209	D1H84704A008	COMBI.R-R 47	1	
R210	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R211	D0GZ103J0001	M.RESISTOR CH 10K	1	
R212	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R213	D0GZ103J0001	M.RESISTOR CH 10K	1	
R214	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R215	D1H84734A008	COMBI.R-R 47K	1	
R216	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R217	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R218	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R219	D1H833040002	COMBI.R-R 33	1	
R221	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R222	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R223	D0GZ103J0001	M.RESISTOR CH 10K	1	
R224	D1H833040002	COMBI.R-R 33	1	
R228	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R229	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R230-32	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	D0GB103JA002
R233-36	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	4	
R237	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R246-48	D0GZ103J0001	M.RESISTOR CH 10K	3	
R249-51	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	3	
R253-61	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	9	
R264-68	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	5	
R275	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R276,77	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R278	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R280	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R281	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R282	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R283	D1H810240001	COMBI.R-R 1K	1	
R284	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R301,02	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R305	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R307	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R308	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R309	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R313,14	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R316	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R318,19	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R321	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R404,05	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R407	D1H84734A008	COMBI.R-R 47K	1	
R408-11	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	4	
R412	D1H84734A008	COMBI.R-R 47K	1	
R413,14	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2	
R417,18	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2	
R422	D1H84734A008	COMBI.R-R 47K	1	
R423	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R424	D1H84704A008	COMBI.R-R 47	1	
R425	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R427	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R434	D1H84734A008	COMBI.R-R 47K	1	
R437,38	D1H810240001	COMBI.R-R 1K	2	
R500	D1H84734A008	COMBI.R-R 47K	1	
R502	D1H84704A008	COMBI.R-R 47K	1	
R504	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R506	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R508	D1H84734A008	COMBI.R-R 47K	1	
R509-12	D1H84704A008	COMBI.R-R 47	4	
R518	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R520,21	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R542	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R543	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R601,02	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R604,05	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R607-09	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R610	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R611	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R700	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R702	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R703,04	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R705	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R709	D0GZ103J0001	M.RESISTOR CH 10K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R713	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R714	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R715,16	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2	
R717	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R718	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R719	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R720	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R721	D1H833040002	COMBI.R-R 33	1	
R724,25	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	2	
R726	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R728	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R729,30	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R731	D1H810240001	COMBI.R-R 1K	1	
R733	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R734-37	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	4	
R738	D1H84734A008	COMBI.R-R 47K	1	
R740-42	D1H84704A008	COMBI.R-R 47	3	
R744	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R745	D0GZ103J0001	M.RESISTOR CH 10K	1	
R746	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R747	D0GZ103J0001	M.RESISTOR CH 10K	1	
R748	D1H833040002	COMBI.R-R 33	1	
R749	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R755-57	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	3	
R758	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R764-66	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	3	
R767	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R768	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R769,70	D0GZ103J0001	M.RESISTOR CH 10K	2	
R800	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R803	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R804	D1H84734A008	COMBI.R-R 47K	1	
R805	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R806-08	D1H84734A008	COMBI.R-R 47K	3	
R809-11	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	3	
R812	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R813	D1H8R0040001	COMBI.R-R 0	1	
R815	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R900	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R901	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R903,04	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R906	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R907	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R910,11	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	2	
R912	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R913,14	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	2	
R917,18	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R919	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R920	ERJ3GEYJ824	M.RESISTOR CH 1/16W 820K	1	
R921,22	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R923-25	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	3	
R926	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R927,28	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	2	
R929	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R930	ERJ3GEYJ394	M.RESISTOR CH 1/16W 390K	1	
R931	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
R932	ERJ3RBD333	M.RESISTOR CH 1/16W 33K	1	
R933	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	
R934	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R935	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R936,37	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	2	
R938	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R940,41	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	2	
R942,43	ERJ3RBD562	M.RESISTOR CH 1/16W 5.6K	2	
R944	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R945	ERJ3RBD682	M.RESISTOR CH 1/16W 6.8K	1	
R946	ERJ3RBD512	M.RESISTOR CH 1/16W 5.1K	1	
R947,48	ERJ3RED390	M.RESISTOR CH 1/16W 39	2	
R949	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R950	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R951	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R954	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R956	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R957	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R1000	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R1001	ERJ3GEYJ394	M.RESISTOR CH 1/16W 390K	1	
R1002-05	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	4	
R1006-10	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	5	
R1013	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R1016	ERJ3GEYJ624	M.RESISTOR CH 1/16W 620K	1	
R1017	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R1018	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R1019	ERJ3GEYJ394	M.RESISTOR CH 1/16W 390K	1	
R1021	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R1024	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R1027	ERJ3GEYJ624	M.RESISTOR CH 1/16W 620K	1	
R1028	ERJ3GEYJ394	M.RESISTOR CH 1/16W 390K	1	
R1029	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R1032	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R1035	ERJ3GEYJ394	M.RESISTOR CH 1/16W 390K	1	
R1036	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R1039	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R1042	ERJ3GEYJ394	M.RESISTOR CH 1/16W 390K	1	
R1044	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R1047	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R1050	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R1051	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R1052	ERJ3GEYJ394	M.RESISTOR CH 1/16W 390K	1	
R1053	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R1056	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R1059	ERJ3GEYJ394	M.RESISTOR CH 1/16W 390K	1	
R1060	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R1061-66	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	6	
R1067-70	ERJ3GEYJ624	M.RESISTOR CH 1/16W 620K	4	
R1071	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R1100	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R1101	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R1102,03	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R1104,05	D1H84734A008	COMBI.R-R 47K	2	
R1106-08	D1H84704A008	COMBI.R-R 47	3	
R1110,11	D0GZ220J0001	M.RESISTOR CH 22	2	
R1112,13	D1H84704A008	COMBI.R-R 47	2	
R1114	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R1115-18	D1H84734A008	COMBI.R-R 47K	4	
R1119-21	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	3	
R1123,24	D1H84704A008	COMBI.R-R 47	2	
R1126	D1H84734A008	COMBI.R-R 47K	1	
R1128,29	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R1130	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R1133	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R1200,01	D1H84734A008	COMBI.R-R 47K	2	
R1202,03	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R1204	D1H84734A008	COMBI.R-R 47K	1	
R1205	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R1206-08	D1H84704A008	COMBI.R-R 47	3	
R1209-12	D1H84734A008	COMBI.R-R 47K	4	
R1213	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R1214	D1H84734A008	COMBI.R-R 47K	1	
R1215	D1H8R0040001	COMBI.R-R 0	1	
R1217,18	D1H8R0040001	COMBI.R-R 0	2	
R1300	D1H810240001	COMBI.R-R 1K	1	
R1301	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R1302	D0GZ103J0001	M.RESISTOR CH 10K	1	
R1303	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R1304	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
SW200	VSS0367-08B	SWITCH	1	
X200	H0J921400004	CRYSTAL OSCILLATOR	1	
X700	H0J921400004	CRYSTAL OSCILLATOR	1	
		MISCELLANEOUS		
	VML2143	CARD PULLER	1	
	VML2144	CARD PULLER	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
■ E7	VEP82246C	F7 SERVO P.C.BOARD	1	(RTL)
C1	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C2	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C4	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C5	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C6,C7	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C8,C9	ECUX1H222KBV	C.CAPACITOR CH 50V 2200P	2	
C10,11	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C12	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C13,14	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C15,16	ECUX1H332KBV	C.CAPACITOR CH 50V 3300P	2	
C17	EEVHB1C220	E.CAPACITOR 16V 22U	1	
C18	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C19	F1J0J475A006	C.CAPACITOR CH6.3V 1U	1	
C20,21	EEVHB1C220	E.CAPACITOR 16V 22U	2	
C22-26	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	5	
C27	ECUX1H561JCV	C.CAPACITOR CH 50V 560P	1	
C32,33	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C60	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C61-64	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	4	
C69	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C70-73	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	4	
C74-77	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C150,51	ECUX1C224ZFV	C.CAPACITOR CH 16V 0.22U	2	
C152,53	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C154	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	1	
C155	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	1	
C156,57	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C158	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C160	ECUX1H271JCV	C.CAPACITOR CH 50V 270P	1	
C163	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C165,66	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	2	
C167-71	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	5	
C172	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C173	ECUX1C333KBV	C.CAPACITOR CH 16V 0.033U	1	
C174	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C201	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C202,03	ECUX1H220JCV	C.CAPACITOR CH 50V 22P	2	
C204-07	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C208,09	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	2	
C210-14	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	5	
C215	EEVHB0J101	E.CAPACITOR 6.3V 100U	1	
C216	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C217,18	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C219,20	ECUX1H221JCV	C.CAPACITOR CH 50V 220P	2	
C221-29	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	9	
C230,31	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	2	
C301-05	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	5	
C310,11	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C312	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C351,52	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C353	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C354,55	ECUX1H272KBV	C.CAPACITOR CH 50V 2700P	2	
C356-60	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	5	
C361,62	ECUX1H153KBV	C.CAPACITOR CH 50V 0.015U	2	
C401,02	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	2	
C403,04	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C405,06	EEVHB1C470P	E.CAPACITOR 16V 47U	2	
C407,08	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C409,10	EEVHB1C470P	E.CAPACITOR 16V 47U	2	
C411	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C412-14	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C415	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	1	
C416	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C417	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	1	
C418-24	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	7	
C425	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C426,27	EEVHB1C470P	E.CAPACITOR 16V 47U	2	
C428	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C429,30	EEVHB1C470P	E.CAPACITOR 16V 47U	2	
C431	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C432-34	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C452	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C453	EEUFC1V101	E.CAPACITOR 35V 100U	1	
C454,55	ECUX1H682KBV	C.CAPACITOR CH 50V 6800P	2	
C456,57	EEUFC1V101	E.CAPACITOR 35V 100U	2	
C458-60	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C461	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C500	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C501	EEUFC1V101	E.CAPACITOR 35V 100U	1	
C502,03	ECUX1H682KBV	C.CAPACITOR CH 50V 6800P	2	
C504	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C505,06	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	2	
C507,08	EEUFC1V101	E.CAPACITOR 35V 100U	2	
C509-11	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C512	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C513	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C514	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C515	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C516	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C517-19	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C550,51	ECUX1C473KBV	C.CAPACITOR CH 16V 0.047U	2	
C552-54	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C555	ECUX1H153KBV	C.CAPACITOR CH 50V 0.015U	1	
C556	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C557	ECUX1H153KBV	C.CAPACITOR CH 50V 0.015U	1	
C558,59	ECUX1H472KBV	C.CAPACITOR CH 50V 4700P	2	
C560	ECUM1E473KBN	C.CAPACITOR CH 25V 0.047U	1	
C561	ECUX1C333KBV	C.CAPACITOR CH 16V 0.033U	1	
C562	ECUM1E473KBN	C.CAPACITOR CH 25V 0.047U	1	
C563	ECUX1C333KBV	C.CAPACITOR CH 16V 0.033U	1	
C564	ECUM1E473KBN	C.CAPACITOR CH 25V 0.047U	1	
C565	ECUX1H472KBV	C.CAPACITOR CH 50V 4700P	1	
C566	ECUM1E473KBN	C.CAPACITOR CH 25V 0.047U	1	
C567	ECUX1H472KBV	C.CAPACITOR CH 50V 4700P	1	
C568	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C569	ECUX1C333KBV	C.CAPACITOR CH 16V 0.033U	1	
C570	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C571	ECUX1C333KBV	C.CAPACITOR CH 16V 0.033U	1	
C572	ECUX1H472KBV	C.CAPACITOR CH 50V 4700P	1	
C573	ECUX1E225ZFM	C.CAPACITOR CH 25V 2.2U	1	
C574	ECUX1H472KBV	C.CAPACITOR CH 50V 4700P	1	
C575	ECUX1E225ZFM	C.CAPACITOR CH 25V 2.2U	1	
C576,77	ECUX1C333KBV	C.CAPACITOR CH 16V 0.033U	2	
C578,79	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C580,81	ECUX1E225ZFM	C.CAPACITOR CH 25V 2.2U	2	
C582	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C583	ECUX1E225ZFM	C.CAPACITOR CH 25V 2.2U	1	
C584	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C585	ECUX1E225ZFM	C.CAPACITOR CH 25V 2.2U	1	
C586,87	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C588,89	ECUM1E473KBN	C.CAPACITOR CH 25V 0.047U	2	
C590,91	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C592,93	EEVHB0J470	E.CAPACITOR 6.3V 47U	2	
C594,95	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C596,97	ECUX1C474KBN	C.CAPACITOR CH 16V 0.47U	2	
C598,99	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	2	
C600,01	EEVHB0J470	E.CAPACITOR 6.3V 47U	2	
C602,03	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	2	
C604,05	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C606-09	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	4	
C610-13	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	4	
C614,15	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	2	
C616,17	EEVHB1C100	E.CAPACITOR 16V 10U	2	
C618-23	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	6	
C651-54	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C657,58	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	2	
C659	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C660	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C661	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C662	ECUX1H221JCV	C.CAPACITOR CH 50V 220P	1	
C663-66	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C667	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C668	EEVHB0J101	E.CAPACITOR 6.3V 100U	1	
C669-71	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C672	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C673	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C674,75	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C676-78	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C679,80	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	2	
C681	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C699,00	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
D1-D4	MA8075-H	DIODE	4	
D5,D6	MA142K	DIODE	2	
D7-D9	MA147	DIODE	3	
D201-03	MA147	DIODE	3	
D353,54	MA147	DIODE	2	
D355,56	MA142K	DIODE	2	
D401,02	MA142K	DIODE	2	
D403-06	MA704A	DIODE	4	
D407	MA147	DIODE	1	
D450,51	MA2J72800L	DIODE	2	
D452,53	MA2Q73600L	DIODE	2	
D500,01	MA2J72800L	DIODE	2	
D502,03	MA2Q73600L	DIODE	2	
D504	MA142K	DIODE	1	
D550,51	MA142K	DIODE	2	
D552-63	MA2Q73800L	DIODE	12	
D564,65	MA147	DIODE	2	
D605,06	MA2Q73800L	DIODE	2	
D609-12	MA2Q73800L	DIODE	4	
D651	MA142K	DIODE	1	
D652-55	MA142WK	DIODE	4	
D656	MA147	DIODE	1	
D657	MA142WK	DIODE	1	
D658	MA142WA	DIODE	1	
D659	MA8051-M	DIODE	1	
D660	MA8082-H	DIODE	1	
D661	MA142WK	DIODE	1	
D662	MA142K	DIODE	1	
D663	MAZ80330HL	DIODE	1	
D664	MA8039-H	DIODE	1	
D665	MA8075-H	DIODE	1	
D666	MA2Q73800L	DIODE	1	
D667	MA142K	DIODE	1	
D668-70	MA2Q73800L	DIODE	3	
D671,72	MA142WK	DIODE	2	
IC1	C0JBAZ000994	IC	1	
IC2	C0ABBB000179	IC	1	
IC3	TC4052BF	IC	1	
IC5	C0ABBB000179	IC	1	
IC7	C0ABBB000179	IC	1	
IC8	TC4052BF	IC	1	
IC10	C0ABBB000179	IC	1	
IC61,62	C0ABBB000184	IC	2	
IC63,64	C0BBBA000044	IC	2	
IC103	C0JBAZ000994	IC	1	
IC151	C0ABBB000179	IC	1	
IC152	C0ABBB000184	IC	1	
IC153	C0BBBA000044	IC	1	
IC154	C0JBAZ000994	IC	1	
IC155	C0ABBB000179	IC	1	
IC156	C0BBBA000044	IC	1	
IC157	C0ABBB000184	IC	1	
IC158	C0ABBA000075	IC	1	
IC204	C0JBAB000397	IC	1	
IC206-08	C0JBAZ001121	IC	3	
IC301	C0JBAZ001121	IC	1	
IC302	C0JBAZ001003	IC	1	
IC354	M62370GP	IC	1	C0FBBD000082
IC355,56	C0ABBB000179	IC	2	
IC357	C0ABBA000075	IC	1	
IC401	C0ABBA000075	IC	1	
IC402,03	NJM78L09UA	IC	2	C0CBAHC00002
IC404	C0CBABD00005	IC	1	
IC405	C0CBADD00003	IC	1	
IC406,07	NJM79L09UA	IC	2	C0CABBF00001
IC408	C0CBBDB00004	IC	1	
IC501	C0BBBA000044	IC	1	
IC502	C0ABBB000184	IC	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
IC503	TL1451CNS	IC	1	C0DBAMA00001
IC551	C0BBBA000044	IC	1	
IC552	C0ABBB000179	IC	1	
IC553,54	AN3834S	IC	2	
IC555	C0ABBB000179	IC	1	
IC600,01	AN3890FBS	IC	2	
IC650	C0JBAZ001120	IC	1	
IC651	C0JBAM000111	IC	1	
IC652	C0ABBA000075	IC	1	
IC653	C0JBAM000052	IC	1	
IC654	C0JBAZ001120	IC	1	
IC655,56	BA6238A	IC	2	C0GAK0000007
IC658	C0BBBA000044	IC	1	
IC659	C0JBAF000487	IC	1	
IC660-62	C0JBAM000111	IC	3	
ID201	VVVSI3944	SOFTWARE	1	
ID300	VVVSI3888	SOFTWARE	1	
IP201	MN1030F04K	IC	1	
IP300	EPM3256A1410	IC	1	
L401,02	VLF1151A132	COIL	2	
L451,52	VLQ0504331K	COIL 330UH	2	G0A331F00001
L453	VLQ0407120M	COIL 12UH	1	G0A120HA0007
L500,01	VLQ0504331K	COIL 330UH	2	G0A331F00001
P202	VJS3791B020	CONNECTOR (FEMALE)	1	
P300	K1KA08B00147	CONNECTOR (FEMALE)	1	
P700,01	K1KA96B00032	CONNECTOR (MALE)	2	
Q1	2SD601A	TRANSISTOR	1	
Q2,Q3	2SB709A	TRANSISTOR	2	
Q4	2SD601A	TRANSISTOR	1	
Q5	2SB709A	TRANSISTOR	1	
Q6	2SD601A	TRANSISTOR	1	
Q401,02	2SD601A	TRANSISTOR	2	
Q450,51	2SB1073	TRANSISTOR	2	
Q500,01	2SB1174-Q	TRANSISTOR	2	2SB11740Q
Q551-56	2SD1624-S	TRANSISTOR	6	
Q600	PU3210	TRANSISTOR	1	PUA3210
Q601	PU3110	TRANSISTOR	1	PUA3110
Q604	PU3210	TRANSISTOR	1	PUA3210
Q605	PU3110	TRANSISTOR	1	PUA3110
Q650	2SD601A	TRANSISTOR	1	
Q651	2SB710A	TRANSISTOR	1	
Q652	2SB936A-Q	TRANSISTOR	1	
Q653,54	2SB766	TRANSISTOR	2	
Q655,56	2SB1073-R	TRANSISTOR	2	
QR1-R5	UNR521300L	TRANSISTOR	5	
QR6	UNR511300L	TRANSISTOR	1	
QR7	UN5215	TRANSISTOR-RESISTOR	1	
QR8	UNR511500L	TRANSISTOR	1	
QR500,01	UNR511100L	TRANSISTOR	2	
QR550-53	UN5215	TRANSISTOR-RESISTOR	4	
QR600	UNR521300L	TRANSISTOR	1	
QR601	UN5217	TRANSISTOR-RESISTOR	1	
QR602	UNR521400L	TRANSISTOR-RESISTOR	1	
QR651	UNR521300L	TRANSISTOR	1	
QR654	UNR521300L	TRANSISTOR	1	
QR655,56	UNR521400L	TRANSISTOR-RESISTOR	2	
QR657	UNR521300L	TRANSISTOR	1	
QR658	UNR511300L	TRANSISTOR	1	
QR659-63	UNR521400L	TRANSISTOR-RESISTOR	5	
QR664	UNR511300L	TRANSISTOR	1	
QR665-68	UNR521400L	TRANSISTOR-RESISTOR	4	
QR669	UNR511300L	TRANSISTOR	1	
R1	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R2	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R3	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R4	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R5	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R6	ERJ3RBD563	M.RESISTOR CH 1/16W 56K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R7	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R8	ERJ3GEYJ512	M.RESISTOR CH 1/16W 5.1K	1	
R9	ERJ3GEYJ912	M.RESISTOR CH 1/16W 9.1K	1	
R10	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R11	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R12	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R13	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R14	ERJ3RBD563	M.RESISTOR CH 1/16W 56K	1	
R15	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R16	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R17	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R18	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R19	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R20	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R21	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R22	ERJ3GEYJ823	M.RESISTOR CH 1/16W 82K	1	
R23	ERJ3GEYJ274	M.RESISTOR CH 1/16W 270K	1	
R24,25	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R26	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R27	ERJ3GEYJ823	M.RESISTOR CH 1/16W 82K	1	
R28	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R29,30	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R31	ERJ3RBD562	M.RESISTOR CH 1/16W 5.6K	1	
R32	ERJ3RBD471	M.RESISTOR CH 1/16W 470	1	
R33	ERJ3RBD562	M.RESISTOR CH 1/16W 5.6K	1	
R34-36	ERJ3RBD471	M.RESISTOR CH 1/16W 470	3	
R37	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R38,39	ERJ3RBD823	M.RESISTOR CH 1/16W 82K	2	
R40,41	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	2	
R42	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R43	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R44,45	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	2	
R46	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R47	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R48	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R49	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R50	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R58	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R59	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	1	
R60	ERJ3RBD912	M.RESISTOR CH 1/16W 9.1K	1	
R61	ERJ3GEYJ564	M.RESISTOR CH 1/16W 560K	1	
R62	ERJ3RBD912	M.RESISTOR CH 1/16W 9.1K	1	
R63	ERJ3GEYJ564	M.RESISTOR CH 1/16W 560K	1	
R64	ERJ3RBD912	M.RESISTOR CH 1/16W 9.1K	1	
R65	ERJ3GEYJ564	M.RESISTOR CH 1/16W 560K	1	
R66	ERJ3RBD912	M.RESISTOR CH 1/16W 9.1K	1	
R67	ERJ3GEYJ564	M.RESISTOR CH 1/16W 560K	1	
R68	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R69	ERJ3GEYJ823	M.RESISTOR CH 1/16W 82K	1	
R70	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R71	ERJ3GEYJ823	M.RESISTOR CH 1/16W 82K	1	
R72	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R73	ERJ3GEYJ823	M.RESISTOR CH 1/16W 82K	1	
R74	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R75	ERJ3GEYJ823	M.RESISTOR CH 1/16W 82K	1	
R76-79	ERJ3RBD273	M.RESISTOR CH 1/16W 27K	4	
R80,81	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	2	
R82-85	ERJ3GEYJ474	M.RESISTOR CH 1/16W 470K	4	
R86-89	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	4	
R90-93	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	4	
R94-97	ERJ3GEYJ224	M.RESISTOR CH 1/16W 220K	4	
R98	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R99	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	1	
R100,01	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	2	
R102,03	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	2	
R104	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R105	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	1	
R106-09	ERJ3GEYJ183	M.RESISTOR CH 1/16W 18K	4	
R141	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R142	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R143	ERJ3GEYJ393	M.RESISTOR CH 1/16W 39K	1	
R145	ERJ3GEYJ823	M.RESISTOR CH 1/16W 82K	1	
R146	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R150	ERJ3GEYJ564	M.RESISTOR CH 1/16W 560K	1	
R151	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	

Components identified with the mark ⚠ have the special characterisitics for safety.
When replacing any of these components, use onlly the same type.

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R152	ERJ3GEYJ564	M.RESISTOR CH 1/16W 560K	1	
R153	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R154,55	ERJ3GEYJ274	M.RESISTOR CH 1/16W 270K	2	
R156	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R157	ERJ3GEYJ823	M.RESISTOR CH 1/16W 82K	1	
R158	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R159	ERJ3GEYJ823	M.RESISTOR CH 1/16W 82K	1	
R160,61	ERJ3RBD273	M.RESISTOR CH 1/16W 27K	2	
R162,63	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	2	
R164,65	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	2	
R168,69	ERJ3GEYJ474	M.RESISTOR CH 1/16W 470K	2	
R170	ERJ3GEYJ154	M.RESISTOR CH 1/16W 150K	1	
R171	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R172	ERJ3GEYJ824	M.RESISTOR CH 1/16W 820K	1	
R173	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R174,75	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	2	
R176,77	ERJ3GEYJ274	M.RESISTOR CH 1/16W 270K	2	
R178,79	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	2	
R180,81	ERJ3GEYJ123	M.RESISTOR CH 1/16W 12K	2	
R182,83	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	2	
R184,85	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	2	
R186,87	ERJ3GEYJ224	M.RESISTOR CH 1/16W 220K	2	
R188,89	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	2	
R190,91	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	2	
R192,93	ERJ3GEYJ183	M.RESISTOR CH 1/16W 18K	2	
R194	ERJ3GEYJ154	M.RESISTOR CH 1/16W 150K	1	
R195,96	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R197	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
R198	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R201,02	D1H84704A008	COMBI.R-R 47	2	
R203	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R204	D1H84734A008	COMBI.R-R 47K	1	
R206	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R207	ERJ3GEYJ271	M.RESISTOR CH 1/16W 270	1	
R209,10	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R211	D1H810140001	COMBI.R-R 100	1	
R212	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R213	D1H84734A008	COMBI.R-R 47K	1	
R214,15	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R216	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R218	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R219	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R220	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R221	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R222	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R223	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R224-27	D1H84704A008	COMBI.R-R 47	4	
R228	D1H84734A008	COMBI.R-R 47K	1	
R229	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R230	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R233-35	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	3	
R236-40	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	5	
R241,42	D1H84704A008	COMBI.R-R 47	2	
R243	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R244	D1H84704A008	COMBI.R-R 47	1	
R245	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R246	D1H84704A008	COMBI.R-R 47	1	
R247,48	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R302	D1H810240001	COMBI.R-R 1K	1	
R303	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R305,06	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R307	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R308	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R309,10	D1H84704A008	COMBI.R-R 47	2	
R311	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R318	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R319	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R363	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R364,65	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	2	
R366,67	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R368,69	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	2	
R370,71	ERJ3RBD104	M.RESISTOR CH 1/16W 100K	2	
R372	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R373	ERJ3RBD104	M.RESISTOR CH 1/16W 100K	1	
R374,75	ERJ3RBD563	M.RESISTOR CH 1/16W 56K	2	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R376	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R377	ERJ3RBD563	M.RESISTOR CH 1/16W 56K	1	
R378-80	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	D0GB103JA002
R381	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R382	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R383	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R384	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R385	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R386	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R401,02	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	2	
R403	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R404	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R405,06	ERJ6RBD391	M.RESISTOR CH 1/10W 390	2	
R407	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R408-11	ERJ6RBD391	M.RESISTOR CH 1/10W 390	4	
R412,13	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R450,51	ERJ6GEYG331	M.RESISTOR CH 1/10W 330	2	
R452,53	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	2	
R454,55	ERJ6GEYG471	M.RESISTOR CH 1/10W 470	2	
R458	ERJ8GEY0R00	M.RESISTOR CH 1/8W 0	1	
⚠ R459	K5H2523A0001	FUSE	1	
R500,01	ERJ6GEYG331	M.RESISTOR CH 1/10W 330	2	
R502,03	ERJ3GEYJ394	M.RESISTOR CH 1/16W 390K	2	
R504,05	ERJ12YJ471	M.RESISTOR CH 1/2W 470	2	
R506	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R507	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R508	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R509	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R510	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R511	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R512	ERJ3GEYJ183	M.RESISTOR CH 1/16W 18K	1	
R513	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R514,15	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R516	ERJ3GEYJ183	M.RESISTOR CH 1/16W 18K	1	
R517	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R518	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R519,20	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R521	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R522	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R523	ERJ3GEYJ474	M.RESISTOR CH 1/16W 470K	1	
R524,25	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	2	
R526,27	ERJ6GEYG122	M.RESISTOR CH 1/10W 1.2K	2	
R528	ERJ3GEYJ183	M.RESISTOR CH 1/16W 18K	1	
R529	ERJ3GEYJ474	M.RESISTOR CH 1/16W 470K	1	
R530	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R531,32	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R533	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R535	ERJ8GEY0R00	M.RESISTOR CH 1/8W 0	1	
R551-53	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	3	
R554	ERJ3RBD272	M.RESISTOR CH 1/16W 2.7K	1	
R555	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R556	ERJ3RBD272	M.RESISTOR CH 1/16W 2.7K	1	
R557	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R558,59	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	2	
R560	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R561	ERJ3RBD682	M.RESISTOR CH 1/16W 6.8K	1	
R562,63	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	2	
R564	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R565	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R566,67	ERJ6GEYG330	M.RESISTOR CH 1/10W 33	2	
R568	ERJ12YJ2R2	M.RESISTOR CH 1/2W 2.2	1	
R569	ERJ6GEYG330	M.RESISTOR CH 1/10W 33	1	
R570	ERJ12YJ2R2	M.RESISTOR CH 1/2W 2.2	1	
R571	ERJ6GEYG330	M.RESISTOR CH 1/10W 33	1	
R572,73	ERJ12YJ2R2	M.RESISTOR CH 1/2W 2.2	2	
R574,75	ERJ6GEYG330	M.RESISTOR CH 1/10W 33	2	
R576	ERJ3GEYJ393	M.RESISTOR CH 1/16W 39K	1	
R577	ERJ3GEYJ123	M.RESISTOR CH 1/16W 12K	1	
R578	ERJ3GEYJ393	M.RESISTOR CH 1/16W 39K	1	
R579	ERJ3GEYJ123	M.RESISTOR CH 1/16W 12K	1	
R580-83	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	4	
R584,85	ERJ3RBD333	M.RESISTOR CH 1/16W 33K	2	
R586,87	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R588,89	ERJ3GEYJ271	M.RESISTOR CH 1/16W 270	2	
R590-95	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	6	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R600	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R601,02	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	2	
R603	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R605,06	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	2	
R607,08	ERJ3RBD333	M.RESISTOR CH 1/16W 33K	2	
R609,10	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	2	
R611,12	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R613-18	ERJ8GEYJ1R0	M.RESISTOR CH 1/8W 1	6	
R619	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R651-53	D1H84734A008	COMBI.R-R 47K	3	
R654	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R655	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R656	ERJ3GEYJ334	M.RESISTOR CH 1/16W 330K	1	
R657-60	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	4	
R661	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R662	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R663	ERJ3GEYJ224	M.RESISTOR CH 1/16W 220K	1	
R664	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R666	ERJ3GEYJ121	M.RESISTOR CH 1/16W 120	1	
R667	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R668	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R669,70	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R671-75	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	5	D0GB103JA002
R676,77	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	2	
R678	ERJ3GEYJ474	M.RESISTOR CH 1/16W 470K	1	
R679,80	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	2	
R681-83	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	D0GB103JA002
R684	ERJ6GEYG271	M.RESISTOR CH 1/10W 270	1	
R685	ERJ6GEYG222	M.RESISTOR CH 1/10W 2.2K	1	D0GD222JA003
R686	ERJ8GEYJ681	M.RESISTOR CH 1/8W 680	1	
R687	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R688	ERJ6GEYG222	M.RESISTOR CH 1/10W 2.2K	1	D0GD222JA003
R689,90	ERJ8GEYJ681	M.RESISTOR CH 1/8W 680	2	
R691,92	ERJ8GEYJ181	M.RESISTOR CH 1/8W 180	2	
R693	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R694	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
R695	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R696	ERJ8GEYJ102	M.RESISTOR CH 1/8W 1K	1	
R697	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R698	ERJ8GEYJ102	M.RESISTOR CH 1/8W 1K	1	
R702	ERJ3GEYJ394	M.RESISTOR CH 1/16W 390K	1	
R703	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R704,05	ERJ3GEYJ394	M.RESISTOR CH 1/16W 390K	2	
R706	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R709	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R710	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R711,12	ERJ3GEYJ155	M.RESISTOR CH 1/16W 1.5M	2	
R713,14	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	2	
R715	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R716,17	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
TG1,G2	EYF6CU	TEST POINT	2	
TG4	EYF6CU	TEST POINT	1	
TP1	EYF6CU	TEST POINT	1	
TP30,31	EYF6CU	TEST POINT	2	
TP80-83	EYF6CU	TEST POINT	4	
TP120-23	EYF6CU	TEST POINT	4	
TP160-63	EYF6CU	TEST POINT	4	
TP201	EYF6CU	TEST POINT	1	
TP230-35	EYF6CU	TEST POINT	6	
TP280-82	EYF6CU	TEST POINT	3	
TP300,01	EYF6CU	TEST POINT	2	
TP320	EYF6CU	TEST POINT	1	
TP651,52	EYF6CU	TEST POINT	2	
X201	VSX0918	CRYSTAL OSCILLATOR	1	H0J250500005
		MISCELLANEOUS		
	VML2143	CARD PULLER	1	
	VML2144	CARD PULLER	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
■ E8	VEP85207A	F8 RF EQ P.C.BOARD	1	(RTL)
C5002-08	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	7	
C5101,02	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C5104,05	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C5106	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C5108,09	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C5110	ECUX1H222KBV	C.CAPACITOR CH 50V 2200P	1	
C5111-18	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	8	
C5201-15	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	15	
C5301	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C5302,03	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	2	
C5304,05	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C5306	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C5308	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C5309,10	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	2	
C5311	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C5312-15	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C5316,17	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C5318	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C5319	ECUX1H220JCV	C.CAPACITOR CH 50V 22P	1	
C5320,21	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C5323,24	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C5328	ECUX1H221JCV	C.CAPACITOR CH 50V 220P	1	
C5329	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C5331	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C5332	ECUX1C473KBV	C.CAPACITOR CH 16V 0.047U	1	
C5333	ECUX1C683KBV	C.CAPACITOR CH 16V 0.068U	1	
C5334,35	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C5336	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C5338	ECUX1H680JCV	C.CAPACITOR CH 50V 68P	1	
C5340	ECUX1H120JCV	C.CAPACITOR CH 50V 12P	1	
C5342	ECJ1VC1H181J	C.CAPACITOR CH 50V 180P	1	
C5344	ECUX1H391JCV	C.CAPACITOR CH 50V 390P	1	
C5346	ECUX1H390JCV	C.CAPACITOR CH 50V 39P	1	
C5348	ECUX1H390JCV	C.CAPACITOR CH 50V 39P	1	
C5350	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C5351	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	1	
C5354	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C5356,57	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C5358,59	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C5360,61	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C5362	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C5363	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C5364	ECUX1H821JCV	C.CAPACITOR CH 50V 820P	1	
C5365	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C5366	ECUX1H272KBV	C.CAPACITOR CH 50V 2700P	1	
C5367,68	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C5370,71	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C5372	ECUX1H222KBV	C.CAPACITOR CH 50V 2200P	1	
C5501	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C5502,03	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	2	
C5504,05	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C5506	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C5508	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C5509,10	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	2	
C5511	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C5512-15	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C5516,17	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C5518	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C5519	ECUX1H220JCV	C.CAPACITOR CH 50V 22P	1	
C5520,21	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C5523,24	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C5528	ECUX1H221JCV	C.CAPACITOR CH 50V 220P	1	
C5529	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C5531	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C5532	ECUX1C473KBV	C.CAPACITOR CH 16V 0.047U	1	
C5533	ECUX1C683KBV	C.CAPACITOR CH 16V 0.068U	1	
C5534,35	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C5536	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C5538	ECUX1H680JCV	C.CAPACITOR CH 50V 68P	1	
C5540	ECUX1H120JCV	C.CAPACITOR CH 50V 12P	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C5542	ECJ1VC1H181J	C.CAPACITOR CH 50V 180P	1	
C5544	ECUX1H391JCV	C.CAPACITOR CH 50V 390P	1	
C5546	ECUX1H390JCV	C.CAPACITOR CH 50V 39P	1	
C5548	ECUX1H390JCV	C.CAPACITOR CH 50V 39P	1	
C5550	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C5551	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	1	
C5554	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C5556,57	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C5558,59	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C5560,61	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C5562	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C5563	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C5564	ECUX1H821JCV	C.CAPACITOR CH 50V 820P	1	
C5565	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C5566	ECUX1H272KBV	C.CAPACITOR CH 50V 2700P	1	
C5567,68	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C5570,71	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C5572	ECUX1H222KBV	C.CAPACITOR CH 50V 2200P	1	
C5701-08	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	8	
C5710-12	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C5713	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C5714	ECUX1C474KBN	C.CAPACITOR CH 16V 0.47U	1	
C5715-17	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C5718	ECUX0J225KBN	C.CAPACITOR CH6.3V 2.2U	1	
C5719	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	1	
C5720	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C5721,22	ECUX1H471JCV	C.CAPACITOR CH 50V 470P	2	
C5723-40	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	18	
C5801-08	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	8	
C5810-12	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C5813	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C5814	ECUX1C474KBN	C.CAPACITOR CH 16V 0.47U	1	
C5815-17	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C5818	ECUX0J225KBN	C.CAPACITOR CH6.3V 2.2U	1	
C5819	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	1	
C5820	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C5821,22	ECUX1H471JCV	C.CAPACITOR CH 50V 470P	2	
C5823-40	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	18	
C5901	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C5902	ECUX1H561JCV	C.CAPACITOR CH 50V 560P	1	
C5904	ECUX1H271JCV	C.CAPACITOR CH 50V 270P	1	
C5905	ECUX1H221JCV	C.CAPACITOR CH 50V 220P	1	
C5906	ECUX1E681JCV	C.CAPACITOR CH 25V 680P	1	
C5907	ECUX1H221JCV	C.CAPACITOR CH 50V 220P	1	
C5908,09	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C5910	ECUX1H182KBV	C.CAPACITOR CH 50V 1800P	1	
C5912	ECUX1H561JCV	C.CAPACITOR CH 50V 560P	1	
C5914	ECUX1H271JCV	C.CAPACITOR CH 50V 270P	1	
C5915	ECUX1H221JCV	C.CAPACITOR CH 50V 220P	1	
C5916,17	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C5918-20	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	3	
C5921-23	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C5924	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C5926,27	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C5928	ECUX1H182KBV	C.CAPACITOR CH 50V 1800P	1	
C5930,31	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C5932	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C5933	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C5934	EEFCD1C4R7R	E.CAPACITOR 16V 4.7U	1	
C5935	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C5937,38	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C5939	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C5940	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C5941	EEFCD1C4R7R	E.CAPACITOR 16V 4.7U	1	
C5942	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C5944,45	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C5946	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C5947	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C5948	EEFCD0J470R	E.CAPACITOR 6.3V 47U	1	
C5949	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C5951,52	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C5953	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C5954	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C5955	EEFCD0J470R	E.CAPACITOR 6.3V 47U	1	
C5956	EEVHB1C470P	E.CAPACITOR 16V 47U	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C5957	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C6301	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C6302,03	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	2	
C6304,05	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C6306	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C6308	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C6309,10	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	2	
C6311	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C6312-15	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C6316,17	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C6318	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C6319	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C6320,21	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C6323,24	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C6328	ECUX1H221JCV	C.CAPACITOR CH 50V 220P	1	
C6329	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C6331	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C6332	ECUX1C473KBV	C.CAPACITOR CH 16V 0.047U	1	
C6333	ECUX1C683KBV	C.CAPACITOR CH 16V 0.068U	1	
C6334,35	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C6336	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C6338	ECUX1H680JCV	C.CAPACITOR CH 50V 68P	1	
C6340	ECUX1H120JCV	C.CAPACITOR CH 50V 12P	1	
C6342	ECJ1VC1H181J	C.CAPACITOR CH 50V 180P	1	
C6344	ECUX1H391JCV	C.CAPACITOR CH 50V 390P	1	
C6346	ECUX1H390JCV	C.CAPACITOR CH 50V 39P	1	
C6348	ECUX1H390JCV	C.CAPACITOR CH 50V 39P	1	
C6350	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C6351	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	1	
C6354	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C6356,57	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C6358,59	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C6360,61	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C6362	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C6363	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C6364	ECUX1H821JCV	C.CAPACITOR CH 50V 820P	1	
C6365	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C6366	ECUX1H272KBV	C.CAPACITOR CH 50V 2700P	1	
C6367,68	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C6370,71	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C6372	ECUX1H222KBV	C.CAPACITOR CH 50V 2200P	1	
C6501	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C6502,03	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	2	
C6504,05	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C6506	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C6508	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C6509,10	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	2	
C6511	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C6512-15	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C6516,17	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C6518	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C6519	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C6520,21	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C6523,24	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C6528	ECUX1H221JCV	C.CAPACITOR CH 50V 220P	1	
C6529	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C6531	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C6532	ECUX1C473KBV	C.CAPACITOR CH 16V 0.047U	1	
C6533	ECUX1C683KBV	C.CAPACITOR CH 16V 0.068U	1	
C6534,35	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C6536	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C6538	ECUX1H680JCV	C.CAPACITOR CH 50V 68P	1	
C6540	ECUX1H120JCV	C.CAPACITOR CH 50V 12P	1	
C6542	ECJ1VC1H181J	C.CAPACITOR CH 50V 180P	1	
C6544	ECUX1H391JCV	C.CAPACITOR CH 50V 390P	1	
C6546	ECUX1H390JCV	C.CAPACITOR CH 50V 39P	1	
C6548	ECUX1H390JCV	C.CAPACITOR CH 50V 39P	1	
C6550	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C6551	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	1	
C6554	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C6556,57	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C6558,59	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C6560,61	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C6562	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C6563	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C6564	ECUX1H821JCV	C.CAPACITOR CH 50V 820P	1	
C6565	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C6566	ECUX1H272KBV	C.CAPACITOR CH 50V 2700P	1	
C6567,68	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C6570,71	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C6572	ECUX1H222KBV	C.CAPACITOR CH 50V 2200P	1	
C6701-08	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	8	
C6710-12	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C6713	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C6714	ECUX1C474KBN	C.CAPACITOR CH 16V 0.47U	1	
C6715-17	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C6718	ECUX0J225KBN	C.CAPACITOR CH6.3V 2.2U	1	
C6719	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	1	
C6720	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C6721,22	ECUX1H471JCV	C.CAPACITOR CH 50V 470P	2	
C6723-40	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	18	
C6801-08	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	8	
C6810-12	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C6813	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C6814	ECUX1C474KBN	C.CAPACITOR CH 16V 0.47U	1	
C6815-17	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C6818	ECUX0J225KBN	C.CAPACITOR CH6.3V 2.2U	1	
C6819	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	1	
C6820	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C6821,22	ECUX1H471JCV	C.CAPACITOR CH 50V 470P	2	
C6823-40	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	18	
D5901	MA2P701A0L	DIODE	1	
IC5001	C0JBAZ001003	IC	1	
IC5002	SN74LV04APW	IC	1	C0JBAB000247
IC5003	C0JBAA000174	IC	1	
IC5004	C0JBAZ001003	IC	1	
IC5006	TC4W53FU	IC	1	
IC5007	C0HBZ0000036	IC	1	
IC5101	DS90LV048A	IC	1	C0ZBZ0000280
IC5102,03	TLCX240FT	IC	2	
IC5104	DS90LV047A	IC	1	C0ZBZ0000279
IC5105	TLCX240FT	IC	1	
IC5106	DS90LV047A	IC	1	C0ZBZ0000279
IC5107	74LCX74MTCX	IC	1	C0JBAF000406
IC5108	DS90LV047A	IC	1	C0ZBZ0000279
IC5109	74LCX574MTCX	IC	1	C0JBAF000448
IC5110	C0ABEB000023	IC	1	
IC5111	C0JBAZ001867	IC	1	
IC5201	M62370GP	IC	1	C0FBBD000082
IC5202-05	C0JBAS000075	IC	4	
IC5206-08	C0ABFB000012	IC	3	
IC5209	C0JBAZ001003	IC	1	
IC5301	MC1495D	IC	1	
IC5302	UPC1663G	IC	1	C1CB00000329
IC5304	UPC1663G	IC	1	C1CB00000329
IC5305	TC4W53FU	IC	1	
IC5306	UPC1663G	IC	1	C1CB00000329
IC5501	MC1495D	IC	1	
IC5502	UPC1663G	IC	1	C1CB00000329
IC5504	UPC1663G	IC	1	C1CB00000329
IC5505	TC4W53FU	IC	1	
IC5506	UPC1663G	IC	1	C1CB00000329
IC5701	C0ABBB000158	IC	1	
IC5702	MN673798	IC	1	
IC5703	C0JBAZ001867	IC	1	
IC5704	C0ABEB000023	IC	1	
IC5801	C0ABBB000158	IC	1	
IC5802	MN673798	IC	1	
IC5803	C0JBAZ001867	IC	1	
IC5804	C0ABEB000023	IC	1	
IC5901	TC4W53FU	IC	1	
IC5902	NJM1496V	IC	1	
IC5903	C0ABEB000023	IC	1	
IC5904	LM2940S-5.0	IC	1	C0CBADG00007
IC5905	LM2990S-5.0	IC	1	
IC5906,07	LT1086CM	IC	2	C0CBAYG00001
IC6301	MC1495D	IC	1	
IC6302	UPC1663G	IC	1	C1CB00000329

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
IC6304	UPC1663G	IC	1	C1CB00000329
IC6305	TC4W53FU	IC	1	
IC6306	UPC1663G	IC	1	C1CB00000329
IC6501	MC1495D	IC	1	
IC6502	UPC1663G	IC	1	C1CB00000329
IC6504	UPC1663G	IC	1	C1CB00000329
IC6505	TC4W53FU	IC	1	
IC6506	UPC1663G	IC	1	C1CB00000329
IC6701	C0ABBB000158	IC	1	
IC6702	MN673798	IC	1	
IC6703	C0JBAZ001867	IC	1	
IC6704	C0ABEB000023	IC	1	
IC6801	C0ABBB000158	IC	1	
IC6802	MN673798	IC	1	
IC6803	C0JBAZ001867	IC	1	
IC6804	C0ABEB000023	IC	1	
L5301	VLQ0163MR27	COIL 0.27UH	1	
L5302	VLQ0163JR47	COIL 0.47UH	1	G1CR47J00004
L5303,04	VLQ0163J101	COIL 100UH	2	
L5305	VLQ0163JR33	COIL 0.33UH	1	G1CR33J00002
L5308	VLQ0163JR27	COIL 0.27UH	1	G1CR27J00002
L5309	VLQ0163J4R7	COIL 4.7UH	1	G1C4R7J00004
L5501	VLQ0163MR27	COIL 0.27UH	1	
L5502	VLQ0163JR47	COIL 0.47UH	1	G1CR47J00004
L5503,04	VLQ0163J101	COIL 100UH	2	
L5505	VLQ0163JR33	COIL 0.33UH	1	G1CR33J00002
L5508	VLQ0163JR27	COIL 0.27UH	1	G1CR27J00002
L5509	VLQ0163J4R7	COIL 4.7UH	1	G1C4R7J00004
L5901	VLQ0163J4R7	COIL 4.7UH	1	G1C4R7J00004
L5902	VLQ0163JR82	COIL 0.82UH	1	G1CR82J00002
L5903	VLQ0163J4R7	COIL 4.7UH	1	G1C4R7J00004
L5904	VLQ0163JR82	COIL 0.82UH	1	G1CR82J00002
L5905-08	VLF1151A132	COIL	4	
L6301	VLQ0163MR27	COIL 0.27UH	1	
L6302	VLQ0163JR47	COIL 0.47UH	1	G1CR47J00004
L6303,04	VLQ0163J101	COIL 100UH	2	
L6305	VLQ0163JR33	COIL 0.33UH	1	G1CR33J00002
L6308	VLQ0163JR27	COIL 0.27UH	1	G1CR27J00002
L6309	VLQ0163J4R7	COIL 4.7UH	1	G1C4R7J00004
L6501	VLQ0163MR27	COIL 0.27UH	1	
L6502	VLQ0163JR47	COIL 0.47UH	1	G1CR47J00004
L6503,04	VLQ0163J101	COIL 100UH	2	
L6505	VLQ0163JR33	COIL 0.33UH	1	G1CR33J00002
L6508	VLQ0163JR27	COIL 0.27UH	1	G1CR27J00002
L6509	VLQ0163J4R7	COIL 4.7UH	1	G1C4R7J00004
P5901	K1KA96B00032	CONNECTOR (MALE)	1	
Q5101	2SC3930	TRANSISTOR	1	
Q5301	2SC3930	TRANSISTOR	1	
Q5302	2SD1979	TRANSISTOR	1	
Q5303	XN6537	TRANSISTOR-RESISTOR	1	
Q5304	2SD1979	TRANSISTOR	1	
Q5305	2SC3930	TRANSISTOR	1	
Q5306	XP6534	TRANSISTOR-RESISTOR	1	
Q5307,08	2SD1979	TRANSISTOR	2	
Q5309	XP6534	TRANSISTOR-RESISTOR	1	
Q5310,11	2SK508K512	TRANSISTOR	2	
Q5312	2SC3930	TRANSISTOR	1	
Q5313	XP6534	TRANSISTOR-RESISTOR	1	
Q5314	2SD1979	TRANSISTOR	1	
Q5316	2SD1979	TRANSISTOR	1	
Q5318	2SC3930	TRANSISTOR	1	
Q5319	XP6534	TRANSISTOR-RESISTOR	1	
Q5320,21	2SC3930	TRANSISTOR	2	
Q5322	2SD1979	TRANSISTOR	1	
Q5323	2SC3930	TRANSISTOR	1	
Q5501	2SC3930	TRANSISTOR	1	
Q5502	2SD1979	TRANSISTOR	1	
Q5503	XN6537	TRANSISTOR-RESISTOR	1	
Q5504	2SD1979	TRANSISTOR	1	
Q5505	2SC3930	TRANSISTOR	1	
Q5506	XP6534	TRANSISTOR-RESISTOR	1	
Q5507,08	2SD1979	TRANSISTOR	2	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
Q5509	XP6534	TRANSISTOR-RESISTOR	1	
Q5510,11	2SK508K512	TRANSISTOR	2	
Q5512	2SC3930	TRANSISTOR	1	
Q5513	XP6534	TRANSISTOR-RESISTOR	1	
Q5514	2SD1979	TRANSISTOR	1	
Q5516	2SD1979	TRANSISTOR	1	
Q5518	2SC3930	TRANSISTOR	1	
Q5519	XP6534	TRANSISTOR-RESISTOR	1	
Q5520,21	2SC3930	TRANSISTOR	2	
Q5522	2SD1979	TRANSISTOR	1	
Q5523	2SC3930	TRANSISTOR	1	
Q5701	XP0650100L	TRANSISTOR	1	
Q5801	XP0650100L	TRANSISTOR	1	
Q5901	2SC3930	TRANSISTOR	1	
Q5902	XP6534	TRANSISTOR-RESISTOR	1	
Q5903	2SD1979	TRANSISTOR	1	
Q5905	2SD1979	TRANSISTOR	1	
Q5907	2SD1979	TRANSISTOR	1	
Q5909-11	2SC3930	TRANSISTOR	3	
Q6301	2SC3930	TRANSISTOR	1	
Q6302	2SD1979	TRANSISTOR	1	
Q6303	XN6537	TRANSISTOR-RESISTOR	1	
Q6304	2SD1979	TRANSISTOR	1	
Q6305	2SC3930	TRANSISTOR	1	
Q6306	XP6534	TRANSISTOR-RESISTOR	1	
Q6307,08	2SD1979	TRANSISTOR	2	
Q6309	XP6534	TRANSISTOR-RESISTOR	1	
Q6310,11	2SK508K512	TRANSISTOR	2	
Q6312	2SC3930	TRANSISTOR	1	
Q6313	XP6534	TRANSISTOR-RESISTOR	1	
Q6314	2SD1979	TRANSISTOR	1	
Q6316	2SD1979	TRANSISTOR	1	
Q6318	2SC3930	TRANSISTOR	1	
Q6319	XP6534	TRANSISTOR-RESISTOR	1	
Q6320,21	2SC3930	TRANSISTOR	2	
Q6322	2SD1979	TRANSISTOR	1	
Q6323	2SC3930	TRANSISTOR	1	
Q6501	2SC3930	TRANSISTOR	1	
Q6502	2SD1979	TRANSISTOR	1	
Q6503	XN6537	TRANSISTOR-RESISTOR	1	
Q6504	2SD1979	TRANSISTOR	1	
Q6505	2SC3930	TRANSISTOR	1	
Q6506	XP6534	TRANSISTOR-RESISTOR	1	
Q6507,08	2SD1979	TRANSISTOR	2	
Q6509	XP6534	TRANSISTOR-RESISTOR	1	
Q6510,11	2SK508K512	TRANSISTOR	2	
Q6512	2SC3930	TRANSISTOR	1	
Q6513	XP6534	TRANSISTOR-RESISTOR	1	
Q6514	2SD1979	TRANSISTOR	1	
Q6516	2SD1979	TRANSISTOR	1	
Q6518	2SC3930	TRANSISTOR	1	
Q6519	XP6534	TRANSISTOR-RESISTOR	1	
Q6520,21	2SC3930	TRANSISTOR	2	
Q6522	2SD1979	TRANSISTOR	1	
Q6523	2SC3930	TRANSISTOR	1	
Q6701	XP0650100L	TRANSISTOR	1	
Q6801	XP0650100L	TRANSISTOR	1	
R5001	D1H84734A008	COMBI.R-R 47K	1	
R5002,03	D1H810140001	COMBI.R-R 100	2	
R5004	D1H84734A008	COMBI.R-R 47K	1	
R5009,10	D1H810140001	COMBI.R-R 100	2	
R5011-13	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	3	
R5014,15	D1H84734A008	COMBI.R-R 47K	2	
R5017	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R5019,20	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R5021	D0GZ103J0001	M.RESISTOR CH 10K	1	
R5022	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R5023	D1H84734A008	COMBI.R-R 47K	1	
R5024	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R5025	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R5026	D0GZ220J0001	M.RESISTOR CH 22	1	
R5027	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R5028	D1H84734A008	COMBI.R-R 47K	1	
R5029	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R5030	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R5031	D0GZ220J0001	M.RESISTOR CH 22	1	
R5032	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R5101-03	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	3	
R5104	D0GZ220J0001	M.RESISTOR CH 22	1	
R5105	D1H810240001	COMBI.R-R 1K	1	
R5106,07	D0GZ220J0001	M.RESISTOR CH 22	2	
R5108,09	D1H810240001	COMBI.R-R 1K	2	
R5110	D0GZ220J0001	M.RESISTOR CH 22	1	
R5111	D1H810240001	COMBI.R-R 1K	1	
R5112,13	D0GZ220J0001	M.RESISTOR CH 22	2	
R5114-16	D1H810240001	COMBI.R-R 1K	3	
R5117	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R5121,22	D1H810240001	COMBI.R-R 1K	2	
R5123	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R5124	ERJ3GEYJ753	M.RESISTOR CH 1/16W 75K	1	
R5125	ERJ3GEYJ393	M.RESISTOR CH 1/16W 39K	1	
R5126	ERJ3GEYJ203	M.RESISTOR CH 1/16W 20K	1	
R5127	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R5128	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R5129	ERJ3GEYJ242	M.RESISTOR CH 1/16W 2.4K	1	
R5130	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	
R5131	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R5132	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5133	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R5134	ERJ3GEYJ751	M.RESISTOR CH 1/16W 750	1	
R5135	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R5136,37	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R5138	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R5139	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5142	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R5201	D1H84734A008	COMBI.R-R 47K	1	
R5202	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R5203	D0GZ220J0001	M.RESISTOR CH 22	1	
R5204	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R5205	ERJ3GEYJ123	M.RESISTOR CH 1/16W 12K	1	
R5206,07	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	2	
R5208	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R5209	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R5210,11	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	2	
R5212	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R5213	D1H810140001	COMBI.R-R 100	1	
R5214	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R5215	ERJ3GEYJ123	M.RESISTOR CH 1/16W 12K	1	
R5216,17	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	2	
R5218	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R5219	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R5220,21	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	2	
R5222	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R5223,24	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	2	
R5225	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R5226	D1H810140001	COMBI.R-R 100	1	
R5227,28	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	2	
R5229	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R5230	D1H810140001	COMBI.R-R 100	1	
R5231,32	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	2	
R5233	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R5234	D1H810140001	COMBI.R-R 100	1	
R5235,36	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	2	
R5237	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R5238	D1H810140001	COMBI.R-R 100	1	
R5239-42	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	4	
R5243	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R5301	D1H84704A008	COMBI.R-R 47	1	
R5302	ERJ3RBD682	M.RESISTOR CH 1/16W 6.8K	1	
R5303	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R5304	ERJ3RBD561	M.RESISTOR CH 1/16W 560	1	
R5305	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R5306	ERJ3RBD561	M.RESISTOR CH 1/16W 560	1	
R5307	ERJ3RBD221	M.RESISTOR CH 1/16W 220	1	
R5308	ERJ3RBD121	M.RESISTOR CH 1/16W 120	1	
R5309	ERJ3RBD331	M.RESISTOR CH 1/16W 330	1	
R5310	ERJ3RBD561	M.RESISTOR CH 1/16W 560	1	
R5311	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R5312,13	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R5314	ERJ3RBD561	M.RESISTOR CH 1/16W 560	1	
R5315	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R5316	ERJ3RBD822	M.RESISTOR CH 1/16W 8.2K	1	
R5317	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R5318	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R5319	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R5320	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R5321,22	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R5323	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R5324,25	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R5326	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R5327	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R5328,29	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R5330	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R5331	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R5332	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5333	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R5334	ERJ3RED680	M.RESISTOR CH 1/16W 68	1	
R5335	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R5336	ERJ3RBD272	M.RESISTOR CH 1/16W 2.7K	1	
R5337	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R5338	ERJ3GEYJ181	M.RESISTOR CH 1/16W 180	1	
R5339	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R5340,41	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R5342,43	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R5346,47	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	2	
R5348	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R5349	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5350	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R5351	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R5352	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5353	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R5354	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R5355	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R5356	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R5357	ERJ3RBD121	M.RESISTOR CH 1/16W 120	1	
R5358	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R5359	ERJ3RBD121	M.RESISTOR CH 1/16W 120	1	
R5360	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R5361,62	ERJ3RBD333	M.RESISTOR CH 1/16W 33K	2	
R5363	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5364	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R5365	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5366	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R5367	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5368	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R5369	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5370	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R5371	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R5372	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R5373	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5375	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R5377	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R5379	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5381	ERJ3RED470	M.RESISTOR CH 1/16W 47	1	
R5382	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R5383,84	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R5385,86	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R5387	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R5388,89	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	2	
R5390	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5391	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R5392	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5393	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R5394	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R5395	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R5396	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5397	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R5398	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5399	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R5400	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R5401	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R5402	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5403	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R5404	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5405	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R5406	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	1	
R5407	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R5408	ERJ3GEYJ271	M.RESISTOR CH 1/16W 270	1	
R5409	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R5410	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5411	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R5412,13	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R5414,15	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R5416	ERJ3RBD471	M.RESISTOR CH 1/16W 470	1	
R5417,18	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R5419	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R5501	D1H84704A008	COMBI.R-R 47	1	
R5502	ERJ3RBD682	M.RESISTOR CH 1/16W 6.8K	1	
R5503	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R5504	ERJ3RBD561	M.RESISTOR CH 1/16W 560	1	
R5505	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R5506	ERJ3RBD561	M.RESISTOR CH 1/16W 560	1	
R5507	ERJ3RBD221	M.RESISTOR CH 1/16W 220	1	
R5508	ERJ3RBD121	M.RESISTOR CH 1/16W 120	1	
R5509	ERJ3RBD331	M.RESISTOR CH 1/16W 330	1	
R5510	ERJ3RBD561	M.RESISTOR CH 1/16W 560	1	
R5511	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R5512,13	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R5514	ERJ3RBD561	M.RESISTOR CH 1/16W 560	1	
R5515	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R5516	ERJ3RBD822	M.RESISTOR CH 1/16W 8.2K	1	
R5517	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R5518	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R5519	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R5520	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R5521,22	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R5523	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R5524,25	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R5526	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R5527	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R5528,29	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R5530	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R5531	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R5532	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5533	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R5534	ERJ3RED680	M.RESISTOR CH 1/16W 68	1	
R5535	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R5536	ERJ3RBD272	M.RESISTOR CH 1/16W 2.7K	1	
R5537	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R5538	ERJ3GEYJ181	M.RESISTOR CH 1/16W 180	1	
R5539	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R5540,41	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R5542,43	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R5546,47	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	2	
R5548	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R5549	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5550	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R5551	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R5552	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5553	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R5554	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R5555	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R5556	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R5557	ERJ3RBD121	M.RESISTOR CH 1/16W 120	1	
R5558	ERJ3GEYJ151	M.RESISTOR CH 1/16W 150	1	
R5559	ERJ3RBD121	M.RESISTOR CH 1/16W 120	1	
R5560	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R5561,62	ERJ3RBD333	M.RESISTOR CH 1/16W 33K	2	
R5563	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5564	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R5565	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5566	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R5567	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5568	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R5569	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5570	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R5571	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R5572	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R5573	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R5575	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R5577	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R5579	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5581	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5582	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R5583,84	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R5585,86	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R5587	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R5588,89	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	2	
R5590	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5591	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R5592	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5593	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R5594	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R5595	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R5596	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5597	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R5598	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5599	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R5600	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R5601	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R5602	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5603	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R5604	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5605	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R5606	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	1	
R5607	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R5608	ERJ3GEYJ271	M.RESISTOR CH 1/16W 270	1	
R5609	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R5610	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5611	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R5612,13	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R5614,15	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R5616	ERJ3RBD471	M.RESISTOR CH 1/16W 470	1	
R5617,18	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R5619	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R5701	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R5702,03	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2	
R5704	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R5705,06	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R5707,08	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	2	
R5709	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R5710	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R5711	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R5712	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R5713	ERJ3GEYJ751	M.RESISTOR CH 1/16W 750	1	
R5714	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R5715	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R5716	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R5717	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R5720	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R5721	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R5722	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	
R5723	ERJ3RBD821	M.RESISTOR CH 1/16W 820	1	
R5724	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R5725	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R5726	ERJ3GEYJ123	M.RESISTOR CH 1/16W 12K	1	
R5727	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R5729	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R5730,31	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	2	
R5732	ERJ3GEYJ753	M.RESISTOR CH 1/16W 75K	1	
R5733	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R5734	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5735-37	D0GZ220J0001	M.RESISTOR CH 22	3	
R5739	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R5741-43	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R5750	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5801	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R5802,03	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2	
R5804	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R5805,06	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R5807,08	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	2	
R5809	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R5810	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R5811	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R5812	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R5813	ERJ3GEYJ751	M.RESISTOR CH 1/16W 750	1	
R5814	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R5815	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R5816	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R5817	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R5820	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R5821	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R5822	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	
R5823	ERJ3RBD821	M.RESISTOR CH 1/16W 820	1	
R5824	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R5825	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R5826	ERJ3GEYJ123	M.RESISTOR CH 1/16W 12K	1	
R5827,28	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R5829	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R5830,31	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	2	
R5832	ERJ3GEYJ753	M.RESISTOR CH 1/16W 75K	1	
R5833	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R5834	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5835-37	D0GZ220J0001	M.RESISTOR CH 22	3	
R5839	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R5841-43	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R5850	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5901	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R5902	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5903	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R5904,05	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R5906	ERJ3GEYJ750	M.RESISTOR CH 1/16W 75	1	
R5907	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R5908	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R5909	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R5910	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R5911,12	ERJ3RED470	M.RESISTOR CH 1/16W 47	2	
R5913	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R5915,16	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	2	
R5917	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R5919	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R5921	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R5922	ERJ3RBD221	M.RESISTOR CH 1/16W 220	1	
R5923	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R5924	ERJ3RBD821	M.RESISTOR CH 1/16W 820	1	
R5925-28	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	4	
R5929	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R5930-33	ERJ3GEYJ560	M.RESISTOR CH 1/16W 56	4	
R5934	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	1	
R5935	ERJ3RBD681	M.RESISTOR CH 1/16W 680	1	
R5936,37	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	2	
R5938	ERJ3RBD392	M.RESISTOR CH 1/16W 3.9K	1	
R5939	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R5940	ERJ3RBD152	M.RESISTOR CH 1/16W 1.5K	1	
R5941	ERJ3RBD331	M.RESISTOR CH 1/16W 330	1	
R5942	ERJ3RBD121	M.RESISTOR CH 1/16W 120	1	
R5943	ERJ3RBD331	M.RESISTOR CH 1/16W 330	1	
R5944	ERJ3RBD101	M.RESISTOR CH 1/16W 100	1	
R5945	ERJ3RED470	M.RESISTOR CH 1/16W 47	1	
R5946	ERJ3RBD181	M.RESISTOR CH 1/16W 180	1	
R5947	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R5948	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5949	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R5950	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R6301	D1H84704A008	COMBI.R-R 47	1	
R6302	ERJ3RBD682	M.RESISTOR CH 1/16W 6.8K	1	
R6303	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R6304	ERJ3RBD561	M.RESISTOR CH 1/16W 560	1	
R6305	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R6306	ERJ3RBD561	M.RESISTOR CH 1/16W 560	1	
R6307	ERJ3RBD181	M.RESISTOR CH 1/16W 180	1	
R6308	ERJ3RBD121	M.RESISTOR CH 1/16W 120	1	
R6309	ERJ3RBD331	M.RESISTOR CH 1/16W 330	1	
R6310	ERJ3RBD561	M.RESISTOR CH 1/16W 560	1	
R6311	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R6312,13	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R6314	ERJ3RBD561	M.RESISTOR CH 1/16W 560	1	
R6315	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R6316	ERJ3RBD822	M.RESISTOR CH 1/16W 8.2K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R6317	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R6318	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R6319	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R6320	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R6321,22	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R6323	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R6324,25	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R6326	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R6327	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R6328,29	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R6330	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R6331	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R6332	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R6333	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R6334	ERJ3RED680	M.RESISTOR CH 1/16W 68	1	
R6335	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R6336	ERJ3RBD272	M.RESISTOR CH 1/16W 2.7K	1	
R6337	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R6338	ERJ3GEYJ181	M.RESISTOR CH 1/16W 180	1	
R6339	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R6340,41	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R6342,43	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R6346,47	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	2	
R6348	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R6349	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R6350	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R6351	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R6352	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R6353	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R6354	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R6355	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R6356	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R6357	ERJ3RBD121	M.RESISTOR CH 1/16W 120	1	
R6358	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R6359	ERJ3RBD121	M.RESISTOR CH 1/16W 120	1	
R6360	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R6361,62	ERJ3RBD333	M.RESISTOR CH 1/16W 33K	2	
R6363	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R6364	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R6365	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R6366	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R6367	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R6368	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R6369	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R6370	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R6371	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R6372	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R6373	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R6375	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R6377	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R6379	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R6381	ERJ3RED470	M.RESISTOR CH 1/16W 47	1	
R6382	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R6383,84	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R6385,86	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R6387	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R6388,89	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	2	
R6390	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R6391	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R6392	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R6393	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R6394	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R6395	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R6396	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R6397	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R6398	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R6399	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R6400	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R6401	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R6402	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R6403	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R6404	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R6405	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R6406	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	1	
R6407	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R6408	ERJ3GEYJ271	M.RESISTOR CH 1/16W 270	1	
R6409	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R6410	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R6411	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R6412,13	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R6414,15	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R6416	ERJ3RBD471	M.RESISTOR CH 1/16W 470	1	
R6417,18	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R6419	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R6501	D1H84704A008	COMBI.R-R 47	1	
R6502	ERJ3RBD682	M.RESISTOR CH 1/16W 6.8K	1	
R6503	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R6504	ERJ3RBD561	M.RESISTOR CH 1/16W 560	1	
R6505	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R6506	ERJ3RBD561	M.RESISTOR CH 1/16W 560	1	
R6507	ERJ3RBD181	M.RESISTOR CH 1/16W 180	1	
R6508	ERJ3RBD121	M.RESISTOR CH 1/16W 120	1	
R6509	ERJ3RBD331	M.RESISTOR CH 1/16W 330	1	
R6510	ERJ3RBD561	M.RESISTOR CH 1/16W 560	1	
R6511	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R6512,13	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R6514	ERJ3RBD561	M.RESISTOR CH 1/16W 560	1	
R6515	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R6516	ERJ3RBD822	M.RESISTOR CH 1/16W 8.2K	1	
R6517	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R6518	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R6519	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R6520	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R6521,22	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R6523	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R6524,25	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R6526	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R6527	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R6528,29	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R6530	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R6531	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R6532	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R6533	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R6534	ERJ3RED680	M.RESISTOR CH 1/16W 68	1	
R6535	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R6536	ERJ3RBD272	M.RESISTOR CH 1/16W 2.7K	1	
R6537	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R6538	ERJ3GEYJ181	M.RESISTOR CH 1/16W 180	1	
R6539	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R6540,41	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R6542,43	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R6546,47	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	2	
R6548	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R6549	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R6550	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R6551	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R6552	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R6553	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R6554	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R6555	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R6556	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R6557	ERJ3RBD121	M.RESISTOR CH 1/16W 120	1	
R6558	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R6559	ERJ3RBD121	M.RESISTOR CH 1/16W 120	1	
R6560	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R6561,62	ERJ3RBD333	M.RESISTOR CH 1/16W 33K	2	
R6563	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R6564	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R6565	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R6566	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R6567	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R6568	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R6569	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R6570	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R6571	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R6572	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R6573	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R6575	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R6577	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R6579	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R6581	ERJ3RED470	M.RESISTOR CH 1/16W 47	1	
R6582	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R6583,84	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R6585,86	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R6587	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R6588,89	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	2	
R6590	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R6591	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R6592	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R6593	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R6594	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R6595	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R6596	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R6597	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R6598	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R6599	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R6600	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R6601	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R6602	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R6603	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R6604	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R6605	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R6606	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	1	
R6607	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R6608	ERJ3GEYJ271	M.RESISTOR CH 1/16W 270	1	
R6609	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R6610	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R6611	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R6612,13	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R6614,15	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R6616	ERJ3RBD471	M.RESISTOR CH 1/16W 470	1	
R6617,18	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R6619	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R6701	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R6702,03	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2	
R6704	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R6705,06	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R6707,08	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	2	
R6709	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R6710	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R6711	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R6712	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R6713	ERJ3GEYJ751	M.RESISTOR CH 1/16W 750	1	
R6714	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R6715	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R6716	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R6717	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R6720	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R6721	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R6722	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	
R6723	ERJ3RBD821	M.RESISTOR CH 1/16W 820	1	
R6724	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R6725	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R6726	ERJ3GEYJ123	M.RESISTOR CH 1/16W 12K	1	
R6729	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R6730,31	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	2	
R6732	ERJ3GEYJ753	M.RESISTOR CH 1/16W 75K	1	
R6733	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R6734	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R6735-37	D0GZ220J0001	M.RESISTOR CH 22	3	
R6739	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R6741-43	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R6746	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R6747	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R6748	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R6749	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R6750	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R6801	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R6802,03	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2	
R6804	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R6805,06	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R6807,08	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	2	
R6809	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R6810	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R6811	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R6812	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R6813	ERJ3GEYJ751	M.RESISTOR CH 1/16W 750	1	
R6814	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R6815	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R6816	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R6817	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R6820	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R6821	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R6822	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	
R6823	ERJ3RBD821	M.RESISTOR CH 1/16W 820	1	
R6824	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R6825	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R6826	ERJ3GEYJ123	M.RESISTOR CH 1/16W 12K	1	
R6828	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R6829	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R6830,31	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	2	
R6832	ERJ3GEYJ753	M.RESISTOR CH 1/16W 75K	1	
R6833	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R6834	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R6835-37	D0GZ220J0001	M.RESISTOR CH 22	3	
R6839	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R6841-43	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R6850	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
TG5101,02	EYF6CU	TEST POINT	2	
TP5101-04	EYF6CU	TEST POINT	4	
TP5301	EYF6CU	TEST POINT	1	
TP5501	EYF6CU	TEST POINT	1	
TP5701,02	EYF6CU	TEST POINT	2	
TP5801,02	EYF6CU	TEST POINT	2	
TP5901	EYF6CU	TEST POINT	1	
TP6301	EYF6CU	TEST POINT	1	
TP6501	EYF6CU	TEST POINT	1	
TP6701,02	EYF6CU	TEST POINT	2	
TP6801,02	EYF6CU	TEST POINT	2	
		MISCELLANEOUS		
	VML2143	CARD PULLER	1	
	VML2144	CARD PULLER	1	
	VSC4609	SHIELD CASE	4	
	VWZ0212	THERMAL CONDUCTIVE TUBE	4	
	XYN3+K6	SCREW	4	
	VMP6465	HEAT SINK HOLDER ANGLE B	2	
■ E9	VEP85208A	RF CUE P.C.BOARD	1	(RTL)
C4002	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C4004	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C4006	EEVHB1C220	E.CAPACITOR 16V 22U	1	
C4008	EEVHB1C100	E.CAPACITOR 16V 10U	1	
C4010,11	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	2	
C4012	ECUX1E273KBV	C.CAPACITOR CH 25V 0.027U	1	
C4013	ECHU1C822JB	P.CAPACITOR 16V 8200P	1	
C4014	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	1	
C4015,16	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C4018	ECUX1E223KBV	C.CAPACITOR CH 25V 0.023U	1	
C4020	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C4021,22	EEVHB1C220	E.CAPACITOR 16V 22U	2	
C4024	EEVHP1C100	E.CAPACITOR 16V 10U	1	
C4025	ECUX1H222KBV	C.CAPACITOR CH 50V 2200P	1	
C4026	EEVHB1C220	E.CAPACITOR 16V 22U	1	
C4028	VCC0030	C.CAPACITOR	1	
C4030,31	ECHS1682JZ	P.CAPACITOR 100V 6800P	2	
C4034-36	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C4037	EEVHB1C220	E.CAPACITOR 16V 22U	1	
C4038	EEVHB1C100	E.CAPACITOR 16V 10U	1	
C4039	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	1	
C4040	ECUX1H151JCV	C.CAPACITOR CH 50V 150P	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C4041	ECUX1E223KBV	C.CAPACITOR CH 25V 0.023U	1	
C4042	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C4043	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C4044	ECUX1H390JCV	C.CAPACITOR CH 50V 39P	1	
C4047,48	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C4049	EEVHB1C220	E.CAPACITOR 16V 22U	1	
C4050	ECUX1C473KBV	C.CAPACITOR CH 16V 0.047U	1	
C4051,52	ECHS1682JZ	P.CAPACITOR 100V 6800P	2	
C4053	ECUX1H221JCV	C.CAPACITOR CH 50V 220P	1	
C4055	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	1	
C5001-06	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	6	
C5011-15	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	5	
C5016-18	EEVHB1C470P	E.CAPACITOR 16V 47U	3	
C5101	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C5102	ECUX1H220JCV	C.CAPACITOR CH 50V 22P	1	
C5103	ECJ1VC1H181J	C.CAPACITOR CH 50V 180P	1	
C5104	ECUX1H030CCV	C.CAPACITOR CH 50V 3P	1	
C5105	ECUX1H050CCV	C.CAPACITOR CH 50V 5P	1	
C5106,07	ECUX1H030CCV	C.CAPACITOR CH 50V 3P	2	
C5108	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C5109	ECUX1H220JCV	C.CAPACITOR CH 50V 22P	1	
C5110	ECJ1VC1H181J	C.CAPACITOR CH 50V 180P	1	
C5111	ECUX1H030CCV	C.CAPACITOR CH 50V 3P	1	
C5112	ECUX1H050CCV	C.CAPACITOR CH 50V 5P	1	
C5113,14	ECUX1H030CCV	C.CAPACITOR CH 50V 3P	2	
C5115	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C5116	ECUX1H220JCV	C.CAPACITOR CH 50V 22P	1	
C5117	ECJ1VC1H181J	C.CAPACITOR CH 50V 180P	1	
C5118-21	ECUX1H030CCV	C.CAPACITOR CH 50V 3P	4	
C5122	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C5123	ECUX1H220JCV	C.CAPACITOR CH 50V 22P	1	
C5124	ECJ1VC1H181J	C.CAPACITOR CH 50V 180P	1	
C5125-28	ECUX1H030CCV	C.CAPACITOR CH 50V 3P	4	
C5201-08	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	8	
C5210	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C5211	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C5212,13	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	2	
C5214	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C5215,16	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C5217	ECUX1H820JCV	C.CAPACITOR CH 50V 82P	1	
C5218	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C5220	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C5222	ECUX1H121JCV	C.CAPACITOR CH 50V 120P	1	
C5224	EEFCD0J470R	E.CAPACITOR 6.3V 47U	1	
C5225,26	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C5401-08	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	8	
C5410	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C5411	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C5412,13	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	2	
C5414	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C5415,16	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C5417	ECUX1H820JCV	C.CAPACITOR CH 50V 82P	1	
C5418	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C5420	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C5422	ECUX1H121JCV	C.CAPACITOR CH 50V 120P	1	
C5424	EEFCD0J470R	E.CAPACITOR 6.3V 47U	1	
C5425,26	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C5601	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C5605-08	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	4	
C5609,10	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C5611,12	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	2	
C5613	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	1	
C5614-18	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	5	
C5619-22	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	4	
C5623,24	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C5625,26	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	2	
C5627	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	1	
C5628-32	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	5	
C5639-42	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	4	
C5643,44	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C5645,46	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	2	
C5647	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	1	
C5648-52	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	5	
C5653-56	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	4	
C5657,58	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C5659,60	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	2	
C5661	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	1	
C5662-66	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	5	
C5901	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C5903,04	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C5905	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C5907-09	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C5910	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C5911	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C5912	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	1	
C5913,14	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C5915	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	1	
C5916,17	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C5918	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	1	
C5919-21	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C5922	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C5924	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C5926,27	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C5928	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
D4001	MA142K	DIODE	1	
D4003	MA3X71600L	DIODE	1	
D4004,05	MA142K	DIODE	2	
D5001	MA142K	DIODE	1	
D5002	MA3J14300L	DIODE	1	
D5201-04	MA142WK	DIODE	4	
D5401-04	MA142WK	DIODE	4	
D5602	MA142WK	DIODE	1	
D5604	MA142WK	DIODE	1	
D5901,02	MA3X71600L	DIODE	2	
FL4001	EIR7QF012B	TRANSFORMER	1	
IC4001,02	C0ABBB000184	IC	2	
IC4003	NJM78L09UA	IC	1	C0CBAHC00002
IC4005	C0CBADD00003	IC	1	
IC4006	C0CBBDB00004	IC	1	
IC4007	NJM78L09UA	IC	1	C0CBAHC00002
IC5001	C0JBAZ001437	IC	1	
IC5002	C0JBAB000541	IC	1	
IC5003	TC4S30F	IC	1	C0JBAZ000429
IC5004,05	C0JBAA000175	IC	2	
IC5006,07	TC4S30F	IC	2	C0JBAZ000429
IC5009	C0JBAA000175	IC	1	
IC5201-04	TC4S30F	IC	4	C0JBAZ000429
IC5205	LT1175CS8	IC	1	
IC5401-04	TC4S30F	IC	4	C0JBAZ000429
IC5405	LT1175CS8	IC	1	
IC5603,04	UPC5102GS030	IC	2	C1ZBZ0001316
IC5607,08	UPC5102GS030	IC	2	C1ZBZ0001316
IC5901,02	C0CBADD00003	IC	2	
IC5903	C0CBBDB00004	IC	1	
L4001	VLQ0423J472	COIL 4700UH	1	
L4004	VLQ0651K181	COIL 180UH	1	G1C181KA0013
L4005	VLQ0651K391	COIL 390UH	1	G1C391KA0013
L5101-08	VLQ0163J2R2	COIL 2.2UH	8	G1C2R2J00009
L5201,02	VLQ0319K330	COIL 33UH	2	G1C330KA0002
L5401,02	VLQ0319K330	COIL 33UH	2	G1C330KA0002
L5901-07	VLF1151A132	COIL	7	
P4001	VJP2278	CONNECTOR (MALE)	1	K1KA09A00087
P5901	VJS3375B080	CONNECTOR (FEMALE)	1	K1KB80B00010
P5902	VJS3900A024	CONNECTOR (FEMALE)	1	
P5903	VJS3900C013	CONNECTOR (FEMALE)	1	K1MN13A00023
Q4001	2SB779-R	TRANSISTOR	1	
Q4003	2SD874-R	TRANSISTOR	1	
Q4005	2SB792-R	TRANSISTOR	1	
Q4006,07	2SD1149-R	TRANSISTOR	2	
Q4008,09	2SD1979	TRANSISTOR	2	
Q4010	2SB779-R	TRANSISTOR	1	
Q4011	2SD874-R	TRANSISTOR	1	
Q5001	2SB1218A0L	TRANSISTOR	1	
Q5002	2SD1819A0L	TRANSISTOR	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
Q5101	2SB709A	TRANSISTOR	1	
Q5102,03	2SC3735B35	TRANSISTOR	2	
Q5104	2SB709A	TRANSISTOR	1	
Q5105,06	2SC3735B35	TRANSISTOR	2	
Q5107	2SB709A	TRANSISTOR	1	
Q5108,09	2SC3735B35	TRANSISTOR	2	
Q5110	2SB709A	TRANSISTOR	1	
Q5111,12	2SC3735B35	TRANSISTOR	2	
Q5201-04	XP0150400L	TRANSISTOR	4	
Q5205,06	2SK508K512	TRANSISTOR	2	
Q5207,08	2SD1979	TRANSISTOR	2	
Q5209-11	2SC3935	TRANSISTOR	3	
Q5212,13	2SC4536	TRANSISTOR	2	
Q5214	2SC3935	TRANSISTOR	1	
Q5215	2SA153200L	TRANSISTOR	1	
Q5216	2SC4536	TRANSISTOR	1	
Q5401-04	XP0150400L	TRANSISTOR	4	
Q5405,06	2SK508K512	TRANSISTOR	2	
Q5407,08	2SD1979	TRANSISTOR	2	
Q5409-11	2SC3935	TRANSISTOR	3	
Q5412,13	2SC4536	TRANSISTOR	2	
Q5414	2SC3935	TRANSISTOR	1	
Q5415	2SA153200L	TRANSISTOR	1	
Q5416	2SC4536	TRANSISTOR	1	
Q5601-04	XP6534	TRANSISTOR-RESISTOR	4	
Q5605	XP4506	TRANSISTOR-RESISTOR	1	
Q5606,07	XP6534	TRANSISTOR-RESISTOR	2	
Q5608	XP4506	TRANSISTOR-RESISTOR	1	
Q5609,10	XP6534	TRANSISTOR-RESISTOR	2	
QR4001	UNR511300L	TRANSISTOR	1	
QR4003	UNR521300L	TRANSISTOR	1	
QR4005	UNR521300L	TRANSISTOR	1	
QR4006	UN5215	TRANSISTOR-RESISTOR	1	
QR4007,08	UNR511300L	TRANSISTOR	2	
QR4009,10	UNR521300L	TRANSISTOR	2	
QR5001-03	UNR511100L	TRANSISTOR	3	
QR5004	UNR521100L	TRANSISTOR	1	
QR5101-04	UNR521100L	TRANSISTOR	4	
QR5201-03	UNR511100L	TRANSISTOR	3	
QR5401-03	UNR511100L	TRANSISTOR	3	
R4001	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R4002	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	1	
R4003	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R4005	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	1	
R4006	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R4007	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R4009	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R4010	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R4011	ERJ8GEYJ1R0	M.RESISTOR CH 1/8W 1	1	
R4013	ERJ3GEYJ183	M.RESISTOR CH 1/16W 18K	1	
R4014	ERJ3GEYJ390	M.RESISTOR CH 1/16W 39	1	
R4017	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R4020	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	1	
R4021	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R4022	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R4023	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4025	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R4026	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R4027	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R4028	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4029	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R4030	ERJ3GEYJ1R0	M.RESISTOR CH 1/16W 1	1	
R4032	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R4033	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R4034	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R4035	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R4036	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R4037	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R4038	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R4039	ERJ8GEYJ1R0	M.RESISTOR CH 1/8W 1	1	
R4040	ERJ3RBD183	M.RESISTOR CH 1/16W 18K	1	
R4041	ERJ3GEYJ390	M.RESISTOR CH 1/16W 39	1	
R4042	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R4043,44	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	2	
R4045	ERJ3GEYJ124	M.RESISTOR CH 1/16W 120K	1	
R4046	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4047,48	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R4049	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R4050	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R4051	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4054	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R5001	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R5002	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R5003	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R5004,05	D1H84734A008	COMBI.R-R 47K	2	
R5006,07	D1H810140001	COMBI.R-R 100	2	
R5008	D1H84734A008	COMBI.R-R 47K	1	
R5009,10	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R5011,12	D1H810140001	COMBI.R-R 100	2	
R5013,14	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R5015	D1H810140001	COMBI.R-R 100	1	
R5017	D1H84734A008	COMBI.R-R 47K	1	
R5018	D1H810140001	COMBI.R-R 100	1	
R5019	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R5020	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	1	
R5021	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R5022	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R5023	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R5101	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R5102	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R5103	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R5104	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R5106	ERJ3RBD392	M.RESISTOR CH 1/16W 3.9K	1	
R5107	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R5108	ERJ3RED560	M.RESISTOR CH 1/16W 56	1	
R5109	ERJ6RED560	M.RESISTOR CH 1/10W 56	1	
R5110	ERJ3RED560	M.RESISTOR CH 1/16W 56	1	
R5111	ERJ3RBD392	M.RESISTOR CH 1/16W 3.9K	1	
R5112	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R5113	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R5114	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R5115	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R5116	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R5118	ERJ3RBD392	M.RESISTOR CH 1/16W 3.9K	1	
R5119	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R5120	ERJ3RED560	M.RESISTOR CH 1/16W 56	1	
R5121	ERJ6RED560	M.RESISTOR CH 1/10W 56	1	
R5122	ERJ3RED560	M.RESISTOR CH 1/16W 56	1	
R5123	ERJ3RBD392	M.RESISTOR CH 1/16W 3.9K	1	
R5124	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R5125	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R5126	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R5127	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R5128	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R5130	ERJ3RBD392	M.RESISTOR CH 1/16W 3.9K	1	
R5131	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R5132	ERJ3RED560	M.RESISTOR CH 1/16W 56	1	
R5133	ERJ6RED560	M.RESISTOR CH 1/10W 56	1	
R5134	ERJ3RED560	M.RESISTOR CH 1/16W 56	1	
R5135	ERJ3RBD392	M.RESISTOR CH 1/16W 3.9K	1	
R5136	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R5137	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R5138	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R5139	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R5140	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R5142	ERJ3RBD392	M.RESISTOR CH 1/16W 3.9K	1	
R5143	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R5144	ERJ3RED560	M.RESISTOR CH 1/16W 56	1	
R5145	ERJ6RED560	M.RESISTOR CH 1/10W 56	1	
R5146	ERJ3RED560	M.RESISTOR CH 1/16W 56	1	
R5147	ERJ3RBD392	M.RESISTOR CH 1/16W 3.9K	1	
R5148	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R5201	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R5202,03	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R5204-07	EXB24V472J	COMBI.R-R 4.7K	4	
R5208,09	ERJ6GEYG222	M.RESISTOR CH 1/10W 2.2K	2	D0GD222JA003
R5210	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R5211,12	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R5217,18	ERJ6GEYG222	M.RESISTOR CH 1/10W 2.2K	2	D0GD222JA003
R5219,20	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	2	
R5221-23	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	3	
R5224	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R5225	ERJ3RED820	M.RESISTOR CH 1/16W 82	1	
R5227	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R5228	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R5230	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R5231	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R5232,33	ERJ3GEYJ150	M.RESISTOR CH 1/16W 15	2	
R5234	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R5235	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R5236-38	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	3	
R5239,40	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	2	
R5241,42	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R5243	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R5244	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	1	
R5245,46	ERJ3RED820	M.RESISTOR CH 1/16W 82	2	
R5247	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R5248	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	1	
R5249,50	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	2	
R5251	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R5252	ERJ12YJ270	M.RESISTOR CH 1/2W 270	1	
R5253-56	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	4	
R5401	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R5402,03	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R5404-07	EXB24V472J	COMBI.R-R 4.7K	4	
R5408,09	ERJ6GEYG222	M.RESISTOR CH 1/10W 2.2K	2	D0GD222JA003
R5410	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R5411,12	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R5417,18	ERJ6GEYG222	M.RESISTOR CH 1/10W 2.2K	2	D0GD222JA003
R5419,20	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	2	
R5421-23	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	3	
R5424	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R5425	ERJ3RED820	M.RESISTOR CH 1/16W 82	1	
R5427	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R5428	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R5430	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R5431	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R5432,33	ERJ3GEYJ150	M.RESISTOR CH 1/16W 15	2	
R5434	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R5435	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R5436-38	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	3	
R5439,40	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	2	
R5441,42	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R5443	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R5444	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	1	
R5445,46	ERJ3RED820	M.RESISTOR CH 1/16W 82	2	
R5447	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R5448	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	1	
R5449,50	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	2	
R5451	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R5452	ERJ12YJ270	M.RESISTOR CH 1/2W 270	1	
R5453-56	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	4	
R5602	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R5603,04	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R5605,06	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R5607,08	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	2	
R5609	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R5610,11	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R5612	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R5613,14	ERJ3RBD821	M.RESISTOR CH 1/16W 820	2	
R5615,16	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R5617	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R5618,19	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R5620,21	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R5622,23	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	2	
R5624	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R5625,26	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R5627	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R5628,29	ERJ3RBD821	M.RESISTOR CH 1/16W 820	2	
R5630,31	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R5632	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R5633,34	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R5635,36	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R5637,38	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R5639,40	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	2	
R5641	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R5642,43	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R5644	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R5645,46	ERJ3RBD821	M.RESISTOR CH 1/16W 820	2	
R5647,48	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R5649	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R5650,51	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R5652,53	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R5654,55	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R5656,57	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	2	
R5658	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R5659,60	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R5661	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R5662,63	ERJ3RBD821	M.RESISTOR CH 1/16W 820	2	
R5664,65	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
RY4001	VSY2176	RELAY	1	K6B2CDA00045
RY5001	VSY2176	RELAY	1	K6B2CDA00045
T4001	VLT0729	TRANSFORMER	1	G4ZZ00000358
T4003	VLT0729	TRANSFORMER	1	G4ZZ00000358
TG4001	EYF6CU	TEST POINT	1	
TG5901	EYF6CU	TEST POINT	1	
TP4001,02	EYF6CU	TEST POINT	2	
TP4005,06	EYF6CU	TEST POINT	2	
VR4001	EVMEGSA00B15	V.RESISTOR 100K	1	
		MISCELLANEOUS		
	VMP5846	RF HOLDER ANGLE	1	
	VYQ1745	SHIELD CASE (UPPER) ASS'Y	1	
	VSC4933	SHILD HOLDER ANGLE	1	
	VSC4934	SHIELD ANGLE	1	
	VSC4928	EARTH FINGER	1	
	XSN26+3	SCREW	1	
	VSC4386	RF SHIELD CASE (MIDDLE)	1	
	XTV3+6FFR	SCREW	2	
	VSC4437	RF SHIELD CASE (LOWER)	1	
	VMZ3241	RF BARRIER	1	
■ E10	VEP80C41A	MOTHER P.C.BOARD	1	(RTL)
C1,C2	ECA1CHG682	E.CAPACITOR 16V 6800U	2	
D1	21DQ04	DIODE	1	B0JAME000021
L1,L2	VLP0017	COIL	2	J0JHB0000010
P1-15	K1KB96A00048	CONNECTOR (FEMALE)	15	
P16	VJP3375A080	CONNECTOR (MALE)	1	K1KA80A00054
P17	VJS3814	CONNECTOR (FEMALE)	1	K1KB96A00037
P18,19	K1KA08A00283	CONNECTOR (MALE)	2	
P20	K1KB30B00028	CONNECTOR (FEMALE)	1	
P21	VJP3510	CONNECTOR (MALE)	1	K1KAC8B00004
		MISCELLANEOUS		
	VKC0392	SPACER	1	
	VMP6815	JACK PB GUIDE ANGLE (B)	1	
	VMP6817	MOTHER ANGLE (B)	1	
	VMP6816	MOTHER ANGLE (A)	1	
	VMP6824	MOTHER ANGLE (C)	1	
	XYE3+EF8FZ	SCREW	8	
	XTV3+6F	SCREW	2	
	VMX2541	P.C.BOARD SPACER	1	

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Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
	XYN26+C12	SCREW	4	
	XNG26EFXS	NUT	4	
■ E11	VEP82239A	MECHA IF P.C.BOARD	1	(RTL)
C1,C2	ECUX1H103ZFV	C.CAPACITOR CH 50V 0.01U	2	
C3	ECUX1H561JCV	C.CAPACITOR CH 50V 560P	1	
C4	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C5	EEVHB1C220	E.CAPACITOR 16V 22U	1	
C6	ECUX1H103ZFV	C.CAPACITOR CH 50V 0.01U	1	
C8	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C9,10	ECUX1H103ZFV	C.CAPACITOR CH 50V 0.01U	2	
C11,12	EEVHB1C470P	E.CAPACITOR 16V 47U	2	
C14,15	ECUX1H103ZFV	C.CAPACITOR CH 50V 0.01U	2	
C16	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C17	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C151-59	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	9	
C160-63	EEVHB1C470P	E.CAPACITOR 16V 47U	4	
C164,65	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C201-03	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	3	
D1	MA147	DIODE	1	
D153,54	MA3X71600L	DIODE	2	
IC1,C2	0P177GS	IC	2	
IC3	C0ABBB000124	IC	1	
IC4-C6	NJM4558M	IC	3	C0ABBB000044
IC151	NJM78L09UA	IC	1	C0CBAHC00002
IC152	NJM79L09UA	IC	1	C0CABBF00001
IC153-55	C0JBAZ000608	IC	3	
IC156,57	C0JBAQ000080	IC	2	
L151,52	VLF1151A132	COIL	2	
P11	VJP3172D002	CONNECTOR (MALE)	1	K1KA02B00051
P12	VJP3172D005	CONNECTOR (MALE)	1	K1KA05B00053
P13	VJP3172D002	CONNECTOR (MALE)	1	K1KA02B00051
P14	VJP3172D003	CONNECTOR (MALE)	1	K1KA03B00006
P15	K1KA02B00075	CONNECTOR (MALE)	1	
P16	K1KA03B00102	CONNECTOR (MALE)	1	
P17	VJS3801D015	CONNECTOR (FEMALE)	1	
P18	K1KA02B00075	CONNECTOR (MALE)	1	
P19	VJP3172D002	CONNECTOR (MALE)	1	K1KA02B00051
P20	K1KA03B00102	CONNECTOR (MALE)	1	
P21	K1KA02B00075	CONNECTOR (MALE)	1	
P22	VJP3172D004	CONNECTOR (MALE)	1	K1KA04B00007
P24	K1KA02B00075	CONNECTOR (MALE)	1	
P25	K1KA03A00017	CONNECTOR (MALE)	1	
P26	VJP1236T	CONNECTOR (MALE) 9P	1	K1KA09A00023
P30	VJP3172D003	CONNECTOR (MALE)	1	K1KA03B00006
P32	VJP3172D004	CONNECTOR (MALE)	1	K1KA04B00007
P33	K1MN15B00033	CONNECTOR	1	
P34,35	VJS2889A017	CONNECTOR (FEMALE)	2	K1MN17A00008
P36	K1MN19B00007	CONNECTOR	1	
P48	VJP3125B002	CONNECTOR (MALE)	1	K1KA02B00111
P151	VJS2899A096	CONNECTOR (FEMALE)	1	K1KB96A00035
Q1	2SB1218A-R	TRANSISTOR	1	
Q101-08	B1DZED000002	TRANSISTOR	8	
QR101-12	UNR521300L	TRANSISTOR	12	
R1,R2	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	2	
R5	ERJ3RBD104	M.RESISTOR CH 1/16W 100K	1	
R6	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	1	
R7,R8	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	2	
R9	ERJ3RBD562	M.RESISTOR CH 1/16W 5.6K	1	
R10	ERJ3RBD823	M.RESISTOR CH 1/16W 82K	1	
R11	ERJ3RBD273	M.RESISTOR CH 1/16W 27K	1	
R12	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R13	ERJ3RBD682	M.RESISTOR CH 1/16W 6.8K	1	
R14	ERJ3RBD473	M.RESISTOR CH 1/16W 47K	1	
R15	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	1	
R16	ERJ3RBD562	M.RESISTOR CH 1/16W 5.6K	1	
R17	ERJ3RBD392	M.RESISTOR CH 1/16W 3.9K	1	
R18	ERJ3RBD391	M.RESISTOR CH 1/16W 390	1	
R19	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R20	ERJ3RBD333	M.RESISTOR CH 1/16W 33K	1	
R21	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R22	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R23	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R24	ERJ3RBD562	M.RESISTOR CH 1/16W 5.6K	1	
R25	ERJ3RBD473	M.RESISTOR CH 1/16W 47K	1	
R26	ERJ3RBD183	M.RESISTOR CH 1/16W 18K	1	
R27	ERJ3RBD473	M.RESISTOR CH 1/16W 47K	1	
R101-04	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	4	
R105-07	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	3	
R108,09	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	2	
R110	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R111,12	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	2	
R113-16	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	4	
R151-64	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	14	
R165	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R166,67	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R168,69	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R201,02	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	2	
VR1	EVMECSA00B24	V.RESISTOR 20K	1	
VR2	EVMECSA00B54	V.RESISTOR 50K	1	
VR201,02	EVMECSA00B24	V.RESISTOR 20K	2	
■ E12	VEP82247A	MECHA IF 2 P.C.BOARD	1	(RTL)
P1001,02	VJP3454B096	CONNECTOR (MALE)	2	K1KA96B00021
		MISCELLANEOUS		
	VMP6808	CONNECTION PB ANGLE	1	
	XTV3+6F	SCREW	2	
■ E13	VEP81221C	POWER 1 P.C.BOARD	1	(RTL)
C1002,03	ECJ2VF1H104Z	C.CAPACITOR CH 50V 0.1U	2	
C1004	ECHU1H471GB	P.CAPACITOR 50V 470P	1	
C1005	ECUM1C104KBN	C.CAPACITOR CH 16V 0.1U	1	
C1006	ECA1HXL010	E.CAPACITOR 50V 1U	1	
C1007	ECQE6473KF	P.CAPACITOR 630V 0.047U	1	
C1008	VCK0106K221	C.CAPACITOR 220P	1	
C1009	ECUM1E224KBN	C.CAPACITOR CH 25V 0.22U	1	
C1010	ECUX1H562KBV	C.CAPACITOR CH 50V 5600P	1	
C1011	ECA1VXL470	E.CAPACITOR 35V 47U	1	
C1012	ECA1HXL330	E.CAPACITOR 50V 33P	1	
C1015	ECJ2VF1H104Z	C.CAPACITOR CH 50V 0.1U	1	
C1017	ECJ2VB1H332K	C.CAPACITOR CH 50V 3300P	1	
C1101	ECA1HXL100	E.CAPACITOR 50V 10U	1	
⚠ C1107	ECQU2A474ML	P.CAPACITOR 100V 0.47U	1	
⚠ C1109	VCK0262M102A	C.CAPACITOR 1000P	1	F1BAH1020001
C1110,11	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	2	
C1114	ECUM1E474ZFM	C.CAPACITOR CH 25V 0.47U	1	
C1116	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C1117	ECJ2VF1H104Z	C.CAPACITOR CH 50V 0.1U	1	
C1119	ECQV1H684JF	P.CAPACITOR 50V 0.68U	1	
⚠ C1120	VCK0262M102A	C.CAPACITOR 1000P	1	F1BAH1020001
C1122	ECJ2VF1H104Z	C.CAPACITOR CH 50V 0.1U	1	
C1123	ECQE2W225KC	P.CAPACITOR 450V 2.2U	1	

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Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C1124	EEUFC1H121L	E.CAPACITOR 50V 120U	1	
C1125	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	1	F1J1C105A083
C1126	ECUX1H392KBV	C.CAPACITOR CH 50V 3900P	1	
C1127	ECJ2VF1H104Z	C.CAPACITOR CH 50V 0.1U	1	
C1128	ECQF6222JZH	P.CAPACITOR 630V 2200P	1	
C1129	ECJ2VF1H104Z	C.CAPACITOR CH 50V 0.1U	1	
C1130,31	VCK0106K471	C.CAPACITOR 470P	2	
C1132	ECUX1H472KBV	C.CAPACITOR CH 50V 4700P	1	
C1133,34	VCK0106K471	C.CAPACITOR 470P	2	
C1135	ECEC2WC151CB	E.CAPACITOR 450V 150P	1	
C1138	ECA1HXL220	E.CAPACITOR 50V 22U	1	
⚠ C1139	VCK0262M102A	C.CAPACITOR 1000P	1	F1BAH1020001
C1140	ECJ2VF1H104Z	C.CAPACITOR CH 50V 0.1U	1	
C1201-10	ECQE6473KF	C.CAPACITOR 1000P	10	
C1211-14	EEUFC1A682	E.CAPACITOR 10V 6800U	4	
C1215	EEUFC1E182	E.CAPACITOR 25V 1800U	1	
C1217	ECUM1E224KBN	C.CAPACITOR CH 25V 0.22U	1	
C1218	EEUFC1A682	E.CAPACITOR 10V 6800U	1	
C1219,20	EEUFC1E102LE	E.CAPACITOR 25V 1000U	2	
C1221	EEUFC1A682	E.CAPACITOR 10V 6800U	1	
C1222	ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	1	
C1223	ECA1EXL101	E.CAPACITOR 25V 100U	1	
C1224-26	ECA1CXL101	E.CAPACITOR 16V 100U	3	
C1227,28	ECA1EXL101	E.CAPACITOR 25V 100U	2	
C1229,30	ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	2	
C1231	ECA1CXL101	E.CAPACITOR 16V 100U	1	
C1232	ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	1	
C1233	ECJ2VF1H104Z	C.CAPACITOR CH 50V 0.1U	1	
C1234	ECA1HXL100	E.CAPACITOR 50V 10U	1	
C1235	ECA1HXL2R2	E.CAPACITOR 50V 2.2U	1	
C1236,37	ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	2	
C1239	ECUX1H151JCV	C.CAPACITOR CH 50V 150P	1	
C1240,41	ECQE6473KF	C.CAPACITOR 1000P	2	
C1242	ECJ2VF1H104Z	C.CAPACITOR CH 50V 0.1U	1	
C1243	ECA1EXL101	E.CAPACITOR 25V 100U	1	
C1244	ECUX1H221JCV	C.CAPACITOR CH 50V 220P	1	
D1001	MA142WA	DIODE	1	
D1002	MA142K	DIODE	1	
D1003	MA3240-H	DIODE	1	
D1005	EG01C	DIODE	1	B0HAGV000001
D1006	MA3051-M	DIODE	1	MAZ30510ML
D1007	SFPL-52	DIODE	1	
D1008	MA3200-M	DIODE	1	
D1009,10	SFPL-52	DIODE	2	
D1013	SFPL-52	DIODE	1	
D1101,02	MA3200-M	DIODE	2	
D1103	MA3068-M	DIODE	1	
D1104	MA142K	DIODE	1	
D1105,06	B0AAMT000002	DIODE	2	
D1107	MA142K	DIODE	1	
D1108	MA1070400L	DIODE	1	
D1109	RBV606	DIODE	1	
D1110	MA2P701A0L	DIODE	1	
D1111,12	MA3200-M	DIODE	2	
D1113-15	SFPL-52	DIODE	3	
D1116	MA3068-M	DIODE	1	
D1117	MA142K	DIODE	1	
D1118	FML-G26S	DIODE	1	
D1119,20	B0AAMT000002	DIODE	2	
D1201	D5S9M	DIODE	1	B0JARK000009
D1202,03	FML-G12SP	DIODE	2	
D1204	D20LC20U	DIODE	1	B0HBSM000021
D1205	FML-G12SP	DIODE	1	
D1206	MA142WA	DIODE	1	
D1207	FML-G12SP	DIODE	1	
D1208	MA142K	DIODE	1	
D1209	MA3160-L	DIODE	1	
D1210	MA142K	DIODE	1	
D1211	MA3100-M	DIODE	1	
D1212	MA3051-M	DIODE	1	MAZ30510ML
D1213	MA3240-H	DIODE	1	
D1214	MA3160-L	DIODE	1	
D1215	MA3100-M	DIODE	1	
D1216	MA142K	DIODE	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
D1218	MA142K	DIODE	1	
D1219	MA3027-H	DIODE	1	
D1221	MA3027-H	DIODE	1	
D1222-24	MA142K	DIODE	3	
IC1001	FA5311BP	IC	1	C0DAAZZ00002
IC1101	MC33262P	IC	1	C0DAZZZ00013
IC1102	M51945BL	IC	1	C0EAB0000004
IC1103	M51951BL	IC	1	C0EAH0000030
IC1201	UPC1944J	IC	1	C0DAZLB00001
IC1202	C0DAEZH00010	IC	1	
IC1203	UPC1093J	IC	1	C0DAEMC00002
IC1204	C0BBBA000019	IC	1	
IC1205	PQ30RV31	IC	1	
L1001	VLP0074	COIL	1	J0JDB0000002
⚠ L1102,03	ELF21N020A	FILTER	2	
L1104	VLQ0820	COIL	1	
L1201	VLQ0655K220	COIL 22UH	1	
L1202	VLQ0826M4R7	COIL 4.7UH	1	
L1203	VLQ0826M100	COIL 10UH	1	
L1204,05	VLQ0826K220	COIL 22UH	2	
L1206	VLQ0655K220	COIL 22UH	1	
P1103	VJP2638	CONNECTOR (MALE)	1	K1KA02A00112
P1201,02	K1KB08A00077	CONNECTOR (FEMALE)	2	
Q1001	B1DEFV000001	TRANSISTOR	1	
⚠ Q1002-04	B3QAZ0000030	PHOTO COUPLER	3	
Q1101	2SJ278	TRANSISTOR	1	
Q1102	TM1661S-L	DIODE	1	
Q1103	B1DEGR000013	TRANSISTOR	1	
Q1201	XN4501	TRANSISTOR-RESISTOR	1	
Q1202	XN0440100L	TRANSISTOR	1	
Q1203	XN4501	TRANSISTOR-RESISTOR	1	
QR1001	UNR221300L	TRANSISTOR	1	
QR1002	UN2111	TRANSISTOR-RESISTOR	1	
QR1101	UNR211200L	TRANSISTOR	1	
QR1102	UN2215	TRANSISTOR-RESISTOR	1	
QR1103	UN2113	TRANSISTOR-RESISTOR	1	
QR1104,05	UNR221300L	TRANSISTOR	2	
QR1201	UN2211	TRANSISTOR-RESISTOR	1	
QR1202	UN2214	TRANSISTOR-RESISTOR	1	UNR221400L
QR1203	UN2111	TRANSISTOR-RESISTOR	1	
QR1204	UN2214	TRANSISTOR-RESISTOR	1	UNR221400L
QR1205	UN2111	TRANSISTOR-RESISTOR	1	
QR1206,07	UNR221300L	TRANSISTOR	2	
R1002	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
⚠ R1003	VRT0142	THERMISTOR	1	D4DDB3310005
R1004	ERW1PKR33	W.RESISTOR 1W 0.33	1	
R1005	ERJ3GEYJ334	M.RESISTOR CH 1/16W 330K	1	
R1006	ERJ6GEYG104	M.RESISTOR CH 1/10W 100K	1	
R1007	ERJ3GEYJ225	M.RESISTOR CH 1/16W 2.2M	1	
R1008,09	ERG3SJ333	M.RESISTOR 3W 33K	2	
R1010	ERG2SJ180	M.RESISTOR 2W 18	1	
R1011	ERJ6RBD241	M.RESISTOR CH 1/10W 240	1	
R1012	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R1013	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R1014	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R1015	ERJ12YJ220	M.RESISTOR CH 1/2W 22	1	
R1016,17	ERJ12YJ224	M.RESISTOR CH 1/2W 220K	2	
R1018	ERJ6RBD221	M.RESISTOR CH 1/10W 220	1	
R1019	ERJ3GEYJ183	M.RESISTOR CH 1/16W 18K	1	
R1020	ERJ6GEYG154	M.RESISTOR CH 1/10W 150K	1	
R1021	ERJ14YJ100	M.RESISTOR CH 1/4W 10	1	
R1022	ERJ14YJ4R7	M.RESISTOR CH 1/4W 4.7	1	
R1101,02	ERG3SJ333	M.RESISTOR 3W 33K	2	
R1103	ERJ6RBD273	M.RESISTOR CH 1/10W 27K	1	
R1104	ERJ6RBD183	M.RESISTOR CH 1/10W 18K	1	
R1105	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	D0YDR0000005
R1107	ERJ3RED224	M.RESISTOR CH 1/16W 220K	1	
R1108	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R1109	ERJ3GEYJ474	M.RESISTOR CH 1/16W 470K	1	

Components identified with the mark ⚠ have the special characterisitics for safety.
When replacing any of these components, use onlly the same type.

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R1110	ERJ3RED334	M.RESISTOR CH 1/16W 330K	1	
R1112-14	ERJ12YJ224	M.RESISTOR CH 1/2W 220K	3	
R1115,16	ERJ6GEYG221	M.RESISTOR CH 1/10W 220	2	D0GD221JA003
R1117,18	ERJ14YJ474	M.RESISTOR CH 1/4W 470K	2	
R1119	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R1121,22	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	2	
R1123,24	ERJ12YJ683	M.RESISTOR CH 1/2W 63K	2	
⚠ R1125	ERU5TEJ100	F.RESISTOR 5W 10	1	
R1127-30	ERJ12YJ683	M.RESISTOR CH 1/2W 63K	4	
R1131	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R1132	ERG2SJ221	M.RESISTOR 2W 220	1	
R1133	ERJ6GEYF123	M.RESISTOR CH 1/10W 12K	1	
R1134	ERJ3RBD822	M.RESISTOR CH 1/16W 8.2K	1	
R1135	ERJ12YJ100	M.RESISTOR CH 1/2W 10	1	
R1136	ERJ6GEYG221	M.RESISTOR CH 1/10W 220	1	D0GD221JA003
R1137	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	D0YDR0000005
R1139	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R1140	ERJ14YJ100	M.RESISTOR CH 1/4W 10	1	
R1141	ERJ14YJ220	M.RESISTOR CH 1/4W 22	1	
R1142,43	ERJ12YJ224	M.RESISTOR CH 1/2W 220K	2	
R1144	ERJ12YJ154	M.RESISTOR CH 1/2W 150K	1	
R1145	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R1146	ERJ12YJ472	M.RESISTOR CH 1/2W 4.7K	1	
R1147	ERG2SJ220	M.RESISTOR 2W 22	1	
R1148	ERF2TKR15	W.RESISTOR 2W 0.15	1	
R1150-52	ERJ12YJ154	M.RESISTOR CH 1/2W 150K	3	
R1153	ERJ6RBD272	M.RESISTOR CH 1/10W 2.7K	1	
R1154	ERJ6GEYG104	M.RESISTOR CH 1/10W 100K	1	
R1155	ERG2SJ220	M.RESISTOR 2W 22	1	
R1161	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R1165	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R1167-69	ERJ12YJ154	M.RESISTOR CH 1/2W 150K	3	
R1201	ERJ6GEYG121	M.RESISTOR CH 1/10W 120	1	D0GD121JA003
R1202,03	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R1204-08	ERG2SJ220	M.RESISTOR 2W 22	5	
R1209	ERJ6GEYG332	M.RESISTOR CH 1/10W 3.3K	1	D0GD332JA003
R1210,11	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R1212	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R1213	ERJ3GEYJ362	M.RESISTOR CH 1/16W 3.6K	1	
R1214	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R1215	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R1216,17	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R1218,19	ERJ3GEYJ121	M.RESISTOR CH 1/16W 120	2	
R1220	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R1221	ERJ3GEYJ121	M.RESISTOR CH 1/16W 120	1	
R1222	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R1223	ERJ3RBD621	M.RESISTOR CH 1/16W 620	1	
R1224	ERJ3GEYJ121	M.RESISTOR CH 1/16W 120	1	
R1225	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R1226	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
⚠ R1227	VRT0033	THERMISTOR	1	D4DDB3310004
R1228,29	ERJ3GEYJ121	M.RESISTOR CH 1/16W 120	2	
R1230	ERX2SZJR10	M.RESISTOR 2W 0.1	1	
R1231	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R1232	ERX2SZJR10	M.RESISTOR 2W 0.1	1	
R1233	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R1234	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R1235	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R1237-39	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	D0GB103JA002
R1240	ERJ3GEYJ224	M.RESISTOR CH 1/16W 220K	1	
R1241	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R1242	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R1244	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	D0YDR0000005
R1245	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R1247	ERG2SJ470	M.RESISTOR 2W 47	1	
R1248	ERG2SJ221	M.RESISTOR 2W 220	1	
R1249	ERJ3RBD822	M.RESISTOR CH 1/16W 8.2K	1	
R1250,51	ERJ12YJ224	M.RESISTOR CH 1/2W 220K	2	
R1252	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R1253	ERG2SJ220	M.RESISTOR 2W 22	1	
R1254	ERJ3RBD391	M.RESISTOR CH 1/16W 390	1	
R1255	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
⚠ T1001	ETS42AE326AD	TRANSFORMER	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
VR1102	EVMEASA00B52	V.RESISTOR 500	1	
VR1201	EVMEASA00B13	V.RESISTOR 1K	1	
		MISCELLANEOUS		
	VJR1008	EARTH LUG	4	
⚠	VMZ1608	CAPACITOR TUBE	3	
	VSC5221	HEAT SINK (A)	1	
	VSC5433	HEAT SINK (B)	1	
	VLP0336	FERRITE CORE	4	
	VLP0394	FERRITE BEAD	3	J0KE00000032
	VMZ2919	BARRIER	1	
	XYN3+F6FZS	SCREW	6	
	XYN3+F8FZS	SCREW	8	
	XYN3+F10	SCREW	4	
	VJF1348	CLAMPER	1	
	VSC4780	HEAT SINK (D)	1	
	VMZ3305	POWER COMMUTATION SHEET	1	
■ E14	VEP81222A	POWER 2 P.C.BOARD	1	(RTL)
⚠ C1502	F1BAH101A001	C.CAPACITOR 100P	1	
⚠ C1503	ECQU2A224ML	P.CAPACITOR 100V 0.22U	1	
⚠ C1504	F1BAH101A001	C.CAPACITOR 100P	1	
⚠ L1501	ELF19N020A	FILTER	1	
⚠ P1501	VJS2985	CONNECTOR (FEMALE)	1	K2AH3H000012
P1502	VJP2638	CONNECTOR (MALE)	1	K1KA02A00112
⚠ R1506	ERC12AGM334C	S.RESISTOR 1/2W 33K	1	
		MISCELLANEOUS		
⚠	VMZ1608	CAPACITOR TUBE	2	
	EYF52BC	FUSE HOLDER	2	
⚠	VSF0106C31H	FUSE	1	
	VJR1008	EARTH LUG	2	
	VEE9627	FG CABLE	1	
⚠	VMP6812	AC IN HOLDER ANGLE	1	
	XSN3+6FZ	SCREW	2	
	XYN3+F8	SCREW	2	
	XYN4+E6VW	SCREW	1	
⚠	VMZ0429	FUSE COVER	1	
■ E15	VEP80C40A	AV JACK P.C.BOARD	1	(RTL)
C100	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C101	EEAHB1C470B	E.CAPACITOR 16V 47U	1	
C102,03	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C104	EEAHB1C470B	E.CAPACITOR 16V 47U	1	
C105-07	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C108	EEAHB1C470B	E.CAPACITOR 16V 47U	1	
C109,10	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C111	EEAHB1C470B	E.CAPACITOR 16V 47U	1	
C200	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	1	
C201	EEAHB1C470B	E.CAPACITOR 16V 47U	1	
C202	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	1	
C203	EEAHB1C470B	E.CAPACITOR 16V 47U	1	
C204,05	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C206,07	EEAHB1C470B	E.CAPACITOR 16V 47U	2	
C300-09	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	10	
C400,01	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	2	
C402,03	EEAHB1C470B	E.CAPACITOR 16V 47U	2	
C404-09	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	6	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C410,11	EEAHB1C470B	E.CAPACITOR 16V 47U	2	
C412,13	ECUX1H270JCV	C.CAPACITOR CH 50V 27P	2	
C414,15	ECUX1H222KBV	C.CAPACITOR CH 50V 2200P	2	
C416,17	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C418-25	EEAHB1C470B	E.CAPACITOR 16V 47U	8	
C500	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C501-16	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	16	
C517	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C518-24	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	7	
C526-29	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C601-03	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
D100	MA3X71600L	DIODE	1	
IC100	NJM78L09UA	IC	1	C0CBAHC00002
IC101	NJM79L09UA	IC	1	C0CABBF00001
IC200	C0CBBDB00004	IC	1	
IC201	C0CBADD00003	IC	1	
IC400	C0CBADD00003	IC	1	
IC401	C0CBBDB00004	IC	1	
IC402,03	C0JBAB000243	IC	2	
IC404,05	NJM360M	IC	2	C0BBZB000001
IC500	C0JBAQ000168	IC	1	
IC501	SN74S1051NS	IC	1	
IC502	C0JBAB000542	IC	1	
IC503	C0JBAQ000168	IC	1	
IC504,05	C0JBAZ001935	IC	2	
IC601	C0JBAN000168	IC	1	
IC602	C0JBAZ001936	IC	1	
IC603	C0JBAN000168	IC	1	
J200-03	VJS3902	CONNECTOR (FEMALE)	4	K1CB204H0002
J300-03	K1AB103A0007	CONNECTOR (MALE)	4	
J304-09	VJP3417	CONNECTOR (MALE)	6	K1AA103A0003
J310	K1AB103A0007	CONNECTOR (MALE)	1	
J311	VJP3417	CONNECTOR (MALE)	1	K1AA103A0003
J400	VJS3902	CONNECTOR (FEMALE)	1	K1CB204H0002
L100,01	VLF1151A132	COIL	2	
L312,13	VLP0145	COIL	2	
L317	VLP0145	COIL	1	
L319	VLP0145	COIL	1	
L321	VLP0145	COIL	1	
L323	VLP0145	COIL	1	
L325	VLP0145	COIL	1	
L327	VLP0145	COIL	1	
L329	VLP0145	COIL	1	
L331-43	VLP0145	COIL	13	
L346,47	VLP0145	COIL	2	
L400,01	VLQ0319K470	COIL 47UH	2	G1C470K00013
L402,03	VLQ0426J120	COIL 12UH	2	G1C120J00005
P100	VJS3510	CONNECTOR (FEMALE)	1	K1KBC8A00003
P101	VJP3414A015	CONNECTOR (MALE)	1	K1FB115A0008
P102,03	VJP3414A009	CONNECTOR (MALE)	2	K1FB109A0016
P104	VJP3414A025	CONNECTOR (MALE)	1	K1FB125A0011
P105	VJP1243T	CONNECTOR (MALE) 3P	1	K1KA03B00012
P200	VJS3901	CONNECTOR (FEMALE)	1	K1CB204H0004
P400	VJS3901	CONNECTOR (FEMALE)	1	K1CB204H0004
P500	VJP3414A025	CONNECTOR (MALE)	1	K1FB125A0011
P600	K1FA108A0003	CONNECTOR (MALE)	1	
Q200,01	2SC2295	TRANSISTOR	2	
Q400-02	2SC3930	TRANSISTOR	3	
Q403	2SA153200L	TRANSISTOR	1	
Q404	2SC3930	TRANSISTOR	1	
Q405	2SA153200L	TRANSISTOR	1	
Q406	2SC3930	TRANSISTOR	1	
Q407	2SA153200L	TRANSISTOR	1	
Q408	2SC3930	TRANSISTOR	1	
Q409	2SA153200L	TRANSISTOR	1	
Q500-05	XN1214	TRANSISTOR-RESISTOR	6	
R200-02	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	3	D0YDR0000005
R203-05	ERJ6GEYJ820	M.RESISTOR CH 1/10W 82	3	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R206	ERJ6RED750	M.RESISTOR CH 1/10W 75	1	
R207	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	1	
R208	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R209	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R210	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R211	ERJ6RED750	M.RESISTOR CH 1/10W 75	1	
R212-17	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	6	D0YDR0000005
R218	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	1	
R219	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R220	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R221	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R400,01	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	2	D0YDR0000005
R402-05	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	4	
R406,07	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R408,09	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	2	
R410,11	ERJ3GEYJ820	M.RESISTOR CH 1/16W 82	2	
R412,13	ERJ6GEYG471	M.RESISTOR CH 1/10W 470	2	
R414-19	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	6	
R420	ERJ6GEYG330	M.RESISTOR CH 1/10W 33	1	
R421,22	ERJ6GEYJ4R7	M.RESISTOR CH 1/10W 4.7K	2	
R423	ERJ6GEYG330	M.RESISTOR CH 1/10W 33	1	
R424,25	ERJ6GEYJ4R7	M.RESISTOR CH 1/10W 4.7K	2	
R426,27	ERJ6RED750	M.RESISTOR CH 1/10W 75	2	
R428,29	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R430,31	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R500	ERQ12HJ2R7	F.RESISTOR 1/2W 2.7	1	
R501-24	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	24	D0GB103JA002
R525-28	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	4	
R529,30	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R532	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R600-03	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	4	
R604-07	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	4	
R608	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R609-12	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	4	
SW200,01	VSS0307	SWITCH	2	K0D122A00105
SW600	VSS023706	SWITCH	1	K0D612A00005
		MISCELLANEOUS		
	VMP4866	D SUB ANGLE	1	
	VXQ0102	SCREW	10	K1YE50000008
	XYN26+F8	SCREW	2	
	VMP6814	JACK PB GUIDE ANGLE (A)	1	
	XSN26+8FZ	SCREW	2	
	XNG26EFXS	NUT	2	
■ E16	VEP86327B	FRONT P.C.BOARD	1	(RTL)
C100,01	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C102	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C103	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C104	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C105-07	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C108	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C109-13	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	5	
C200-06	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	7	
C300-04	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	5	
C400	ECUX1E473KBV	C.CAPACITOR CH 25V 0.047U	1	
C401	ECUX1E273KBV	C.CAPACITOR CH 25V 0.027U	1	
C402	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	1	F1K1C105A026
C403	EEUFC1J101	E.CAPACITOR 63V 100U	1	
C404	EEUFC1A122	E.CAPACITOR 10V 1200U	1	
C405	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C406,07	ECJ2VF1H104Z	C.CAPACITOR CH 50V 0.1U	2	
C409	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C410	ECUX1H222KBV	C.CAPACITOR CH 50V 2200P	1	
C411	ECUX1C473KBV	C.CAPACITOR CH 16V 0.047U	1	
C412	ECUX1C333KBV	C.CAPACITOR CH 16V 0.033U	1	
C413	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	

Components identified with the mark ⚠ have the special characterisitics for safety.
When replacing any of these components, use onlly the same type.

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C415	ECUX1C473KBV	C.CAPACITOR CH 16V 0.047U	1	
C416	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C417,18	ECCF1H102J	C.CAPACITOR 50V 1000P	2	
C500	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C501	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C502	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C506	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C507	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C508	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C515	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C516	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C517,18	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C519	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C520	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C521,22	ECUX1H151JCV	C.CAPACITOR CH 50V 150P	2	
C525,26	F1H1H122A219	C.CAPACITOR CH 50V 1200P	2	
C527	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	1	
D300	LNW9A8BYBZ	LED	1	
D301-03	LN38GCPP	LED	3	
D304	LN48YCPP	LED	1	
D305	LN38GCPP	LED	1	
D306	LNW9A8BYBZ	LED	1	
D400	MAZ33300ML	DIODE	1	
D401	U1GU44	DIODE	1	
D402	MA3062M	DIODE	1	
D403	MA152K	DIODE	1	
D404	MA3150-M	DIODE	1	
D405	MAZ30270HL	DIODE	1	
D500-03	MA3X71600L	DIODE	4	
D505	MA3X71600L	DIODE	1	
D506	MA142WA	DIODE	1	
DP400	A2BZ00000033	LCD	1	
FL500,01	J0HAAC000013	FILTER	2	
IC100	C0JBAZ000994	IC	1	
IC101	C0JBAB000541	IC	1	
IC102	C0JBAZ001121	IC	1	
IC103	UPC339G2	IC	1	
IC200-06	C0JBAZ001935	IC	7	
IC300-04	C0JBAQ000168	IC	5	
IC400	UPD16310GF	IC	1	
IC401	C0JBAM000052	IC	1	
IC403	C0JBAM000052	IC	1	
IC500	C0CBADC00063	IC	1	
IC502	XC62FP3202P	IC	1	
IC503,04	C0ABBA000071	IC	2	
IC505	NJM78L09UA	IC	1	C0CBAHC00002
IC506	NJM79L09UA	IC	1	C0CABBF00001
IC507	NJM4556AM	IC	1	C0ABBB000042
J500	VJJ0571	JACK	1	
L100-02	VLF1151A132	COIL	3	
L103	VLP0133	COIL	1	
L400	VLQ0655K220	COIL 22UH	1	
L500,01	VLP0146	COIL	2	
P100	K1KA30C00003	CONNECTOR (MALE)	1	
P101	VJP1246T	CONNECTOR (MALE) 6P	1	
P300	K1KB07A00019	CONNECTOR (FEMALE)	1	
Q400,01	2SD602A-R	TRANSISTOR	2	
Q402	B1BBGE000001	TRANSISTOR	1	
Q403	2SD602A-R	TRANSISTOR	1	
Q404	2SJ278	TRANSISTOR	1	
Q405-07	2SB1219A	TRANSISTOR	3	
Q500,01	2SD1328	TRANSISTOR	2	
QR300-03	UN2214	TRANSISTOR-RESISTOR	4	UNR221400L
QR304-06	UN2114	TRANSISTOR-RESISTOR	3	
QR307-13	UN2214	TRANSISTOR-RESISTOR	7	UNR221400L
QR314	UN2114	TRANSISTOR-RESISTOR	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
QR315-39	UN2214	TRANSISTOR-RESISTOR	25	UNR221400L
QR400-02	UNR221300L	TRANSISTOR	3	
R103	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R104	D0GZ103J0001	M.RESISTOR CH 10K	1	
R105	D1H84704A008	COMBI.R-R 47	1	
R107	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R108	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R109	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R110	D1H84704A008	COMBI.R-R 47	1	
R113-16	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	4	
R117-20	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	4	
R121	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R122	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R123-26	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	4	
R127	D0GZ103J0001	M.RESISTOR CH 10K	1	
R131,32	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R133,34	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R200-13	D1H847240002	COMBI.R-R 4.7K	14	
R214	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R216	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R217	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R300	ERJ3GEYJ750	M.RESISTOR CH 1/16W 75	1	
R301-04	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	4	
R305	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R306	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R307-17	ERJ3GEYJ181	M.RESISTOR CH 1/16W 180	11	
R318,19	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	2	
R320-38	ERJ3GEYJ181	M.RESISTOR CH 1/16W 180	19	
R339	ERJ3GEYJ750	M.RESISTOR CH 1/16W 75	1	
R400	ERJ6GEYG122	M.RESISTOR CH 1/10W 1.2K	1	
R401	ERJ6GEYJ241	M.RESISTOR CH 1/10W 240	1	
R402	ERJ14YJ4R7	M.RESISTOR CH 1/4W 4.7	1	
R403,04	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	2	
R405	ERJ6GEYF472	M.RESISTOR CH 1/10W 4.7K	1	D0GD472JA003
⚠ R407	K5H3121A0004	FUSE	1	
R408	ERJ6GEYG223	M.RESISTOR CH 1/10W 22K	1	
R409-11	ERJ6GEYJ241	M.RESISTOR CH 1/10W 240	3	
R412	ERJ6GEYF472	M.RESISTOR CH 1/10W 4.7K	1	D0GD472JA003
R413,14	ERJ6GEYG563	M.RESISTOR CH 1/10W 56K	2	
R416	ERJ6GEYF472	M.RESISTOR CH 1/10W 4.7K	1	D0GD472JA003
R417	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R418	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R419	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R420-22	ERJ8GEYJ682	M.RESISTOR CH 1/8W 6.8K	3	
R423-28	ERJ8GEYJ332	M.RESISTOR CH 1/8W 3.3K	6	
R442-44	ERJ6GEYG154	M.RESISTOR CH 1/10W 150K	3	
R445	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R503	D1H810240001	COMBI.R-R 1K	1	
R504,05	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R506,07	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R508,09	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	2	
R510,11	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	2	
R512	ERJ6GEYG271	M.RESISTOR CH 1/10W 270	1	
R513,14	ERJ6GEYG331	M.RESISTOR CH 1/10W 330	2	
R515	ERJ6GEYG271	M.RESISTOR CH 1/10W 270	1	
R516,17	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R519,20	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	2	D0YDR0000005
R521-23	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R529	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	D0YDR0000005
SW200-07	VSP0853A000	SWITCH	8	K0F111A00235
SW208	VSP0795	SWITCH	1	K0F111A00276
SW209-16	VSP0864A000	SWITCH	8	K0F111A00243
SW217	K0F111A00367	SWITCH (RED)	1	
SW218	VSP0864A000	SWITCH	1	K0F111A00243
SW219,20	VSP0853A000	SWITCH	2	K0F111A00235
SW221	VSP0864A000	SWITCH	1	K0F111A00243
SW222	VSP0791	SWITCH	1	K0F111A00279
SW223	K0F111A00426	SWITCH	1	
SW224	VSP0792	SWITCH	1	K0F111A00280
SW225	VSP0789	SWITCH	1	K0F111A00283
SW226	VSP0790	SWITCH	1	K0F111A00278
SW227,28	VSP0864A000	SWITCH	2	K0F111A00243
SW229	VSS0313	SWITCH	1	K0D113A00044

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
SW230	VSS0279	SWITCH	1	K0D112A00094
SW231	VSS0313	SWITCH	1	K0D113A00044
SW232,33	VSS0279	SWITCH	2	K0D112A00094
SW234,35	EVQPAD04M	SWITCH	2	
SW236	VSS0279	SWITCH	1	K0D112A00094
SW237-44	EVQPAD04M	SWITCH	8	
SW247,48	EVQPAD04M	SWITCH	2	
T400	G4ZZ00000446	TRANSFORMER	1	
VR500-03	VRV0279	V.RESISTOR	4	D2BCA54B0003
VR505	EVJY00F15A14	V.RESISTOR 10K	1	
		MISCELLANEOUS		
	VMX2126	LED SPACER	5	
	VJF1466	LCD HOLDER	2	
	VMX3227	LED HOLDER	2	
	VGU9191	KEY TOP BUTTON	2	
	VSC5409	HEADPHONE EARTH ANGLE	1	
	VSC5450	EARTH ANGLE	1	
■ E17	VEP80C43A	FRONT SUB P.C.BOARD	1	(RTL)
D700	LN38GCPP	LED	1	
D702,03	LN48YCPP	LED	2	
D704	LNW9A8BYBZ	LED	1	
P700	K1KA07A00083	CONNECTOR (MALE)	1	
		MISCELLANEOUS		
	VMX2126	LED SPACER	4	
■ E18	VEP80C42A	EJECT P.C.BOARD	1	(RTL)
SW600	VSP0864C001	SWITCH	1	K0F111A00274
		MISCELLANEOUS		
	VWJ03CN060AA	FLAT CABLE	1	
■ E19	VEP80856A	CARRIGE P.C.BOARD	1	(RTL)
P1	VJP1249T	CONNECTOR (MALE)	1	K1KA09B00028
P2	VJS2889A012	CONNECTOR (FEMALE)	1	
P3	VJS2889A016	CONNECTOR (FEMALE)	1	
R1-R7	ERDS2TJ221	C.RESISTOR 1/4W 220	7	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks

ELECTRICAL REPLACEMENT PARTS LIST (AJ-YA931G)

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
■ E1	VEP83594B	V IN P.C.BOARD	1	(RTL)
			1	
■ E1	VEP83594B	V IN P.C.BOARD	1	(RTL)
C3001-06	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	6	
C3007	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3008	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3009	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3010	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3011	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3012	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3013,14	EEVHB0J470	E.CAPACITOR 6.3V 47U	2	
C3015-17	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C3018	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3019-27	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	9	
C3028	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C3029	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3030	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C3031	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3032-38	EEVHB0J470	E.CAPACITOR 6.3V 47U	7	
C3039-53	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	15	
C3054-60	EEVHB0J470	E.CAPACITOR 6.3V 47U	7	
C3061	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3062	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3063-69	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	7	
C3070	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3071	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3072-76	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	5	
C3102-04	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C3105	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	1	F1K1C105A026
C3106	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3108,09	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3110	EEVHB1H4R7	E.CAPACITOR 50V 4.7U	1	
C3111	ECHU1H683JB	P.CAPACITOR 50V 0.068U	1	
C3112	ECUX1H471JCV	C.CAPACITOR CH 50V 470P	1	
C3113	ECUX1H821JCV	C.CAPACITOR CH 50V 820P	1	
C3114	EEVHB0J330	E.CAPACITOR 6.3V 33U	1	
C3115	ECUX1H561JCV	C.CAPACITOR CH 50V 560P	1	
C3116	ECHU1C392JA	P.CAPACITOR 16V 3900P	1	
C3117	ECUM1C334KBM	C.CAPACITOR CH 16V 0.33U	1	
C3118	ECUX1H221JCV	C.CAPACITOR CH 50V 220P	1	
C3119	ECHU1C152JA5	P.CAPACITOR 16V 1500P	1	
C3120	ECUX1C684KBM	C.CAPACITOR CH 16V 0.68U	1	
C3121	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C3122,23	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3124	EEVHB0J330	E.CAPACITOR 6.3V 33U	1	
C3125	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3152	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C3157,58	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3159	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	1	
C3160	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	
C3163	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C3165-67	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C3168	ECUX1H180JCV	C.CAPACITOR CH 50V 18P	1	
C3169-77	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	9	
C3179,80	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3182	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3183,84	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3204	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3205	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C3206-12	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	7	
C3213	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C3214-19	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	6	
C3253-55	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C3256	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	1	
C3257	ECUX1H100DCV	C.CAPACITOR CH 50V 10P	1	
C3258	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	1	
C3259	ECUX1H100DCV	C.CAPACITOR CH 50V 10P	1	
C3260,61	ECUX1H080DCV	C.CAPACITOR CH 50V 8P	2	
C3262-65	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C3270	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3272	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3273	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C3274	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	1	
C3275	ECUX1H271JCV	C.CAPACITOR CH 50V 270P	1	
C3276	ECUX1H220JCV	C.CAPACITOR CH 50V 22P	1	
C3278	ECUX1H070DCV	C.CAPACITOR CH 50V 7P	1	
C3279	ECUX1H121JCV	C.CAPACITOR CH 50V 120P	1	
C3280,81	ECUX1H100DCV	C.CAPACITOR CH 50V 10P	2	
C3282	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	1	
C3283-86	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C3300	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	
C3302	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3303	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3306,07	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3308	ECUX1H331JCV	C.CAPACITOR CH 50V 330P	1	
C3309	ECUX1H222KBV	C.CAPACITOR CH 50V 2200P	1	
C3311	ECUX1H681JCV	C.CAPACITOR CH 50V 680P	1	
C3314,15	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3316	ECUM1C474KBM	C.CAPACITOR CH 16V 0.47U	1	
C3317	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C3318,19	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3356-59	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	4	
C3360	ECUX1H390JCV	C.CAPACITOR CH 50V 39P	1	
C3361-65	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	5	
C3366,67	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	2	
C3368,69	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3370-72	ECUX1H220JCV	C.CAPACITOR CH 50V 22P	3	
C3373,74	ECUX1H060DCV	C.CAPACITOR CH 50V 6P	2	
C3375,76	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3377,78	ECUX1H820JCV	C.CAPACITOR CH 50V 82P	2	
C3381,82	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3400	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C3401	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3404	ECUX1H390JCV	C.CAPACITOR CH 50V 39P	1	
C3405	ECJ1VC1H181J	C.CAPACITOR CH 50V 180P	1	
C3406,07	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3410	ECUX1H080DCV	C.CAPACITOR CH 50V 8P	1	
C3411	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C3412	ECUX1H820JCV	C.CAPACITOR CH 50V 82P	1	
C3413,14	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	2	
C3450	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C3451	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C3452	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3453	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C3454	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3455	ECUX1H681JCV	C.CAPACITOR CH 50V 680P	1	
C3456	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C3457	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3458	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C3459	ECUX1H271JCV	C.CAPACITOR CH 50V 270P	1	
C3460	ECUX1H471JCV	C.CAPACITOR CH 50V 470P	1	
C3461	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C3462	ECUX1H820JCV	C.CAPACITOR CH 50V 82P	1	
C3463	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3464	ECUX1H151JCV	C.CAPACITOR CH 50V 150P	1	
C3465	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3466	ECUX1H680JCV	C.CAPACITOR CH 50V 68P	1	
C3467	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3468	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	1	F1K1C105A026
C3469	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3470,71	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	2	
C3472	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	1	F1K1C105A026
C3473	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3474	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C3475	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3476	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C3477-79	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C3504	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C3505-07	EEVHB0J101	E.CAPACITOR 6.3V 100U	3	
C3508-13	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	6	
C3536	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3538	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3539	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C3540,41	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3542	ECUX1H270JCV	C.CAPACITOR CH 50V 27P	1	
C3543	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C3546	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C3547	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3549-51	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C3552	ECUX1H331JCV	C.CAPACITOR CH 50V 330P	1	
C3553	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3554	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C3555-62	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	8	
C3564	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3606	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C3607	ECUX1H150JCV	C.CAPACITOR CH 50V 15P	1	
C3608	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3609	ECUM1H680JCN	CHIP 20125 (NPO) MKR(ECUV	1	
C3610	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C3611-14	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C3615	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C3618	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C3619	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	1	
C3620	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3621	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C3622,23	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3624	ECUX1H331JCV	C.CAPACITOR CH 50V 330P	1	
C3625	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C3626-34	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	9	
C3636	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3706	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C3707	ECUX1H150JCV	C.CAPACITOR CH 50V 15P	1	
C3708	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3709	ECUM1H680JCN	CHIP 20125 (NPO) MKR(ECUV	1	
C3710	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C3711-14	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C3715	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C3718	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C3719	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	1	
C3720	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3721	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C3722,23	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3724	ECUX1H331JCV	C.CAPACITOR CH 50V 330P	1	
C3725	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C3726-34	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	9	
C3736	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3803-05	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C3820	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3821	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C3822-27	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	6	
C3828	ECJ1VC1H560J	C.CAPACITOR CH 50V 560P	1	
C3829-35	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	7	
C3837	ECUX1H070DCV	C.CAPACITOR CH 50V 7P	1	
C3870,71	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3900	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C3901-03	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C3950-52	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
D3001-04	MA704A	DIODE	4	
D3100	MA142K	DIODE	1	
D3150	MA3J14300L	DIODE	1	
D3300	MA3J14300L	DIODE	1	
D3350	MA142K	DIODE	1	
D3400	MA142WK	DIODE	1	
D3450	MA142K	DIODE	1	
D3451	MA335-R	DIODE	1	
D3530	MA3J14300L	DIODE	1	
D3600	MA3J14300L	DIODE	1	
D3700	MA3J14300L	DIODE	1	
DL3450	VLD0264	COIL	1	G2A7R9C00001
FL3100	VLF1015	FILTER	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
FL3530	VLF1179	FILTER	1	
FL3600	VLF1476	FILTER	1	J0E3504B0004
FL3700	VLF1476	FILTER	1	J0E3504B0004
IC3001-04	AN77L03M	IC	4	
IC3005	AN77L05M	IC	1	
IC3006,07	NJM78L09UA	IC	2	C0CBAHC00002
IC3008-14	AN77L05M	IC	7	
IC3015-21	C0CBBDB00004	IC	7	
IC3022	C0CBAAB00021	IC	1	
IC3100	C0JBAS000075	IC	1	
IC3101	AN3296S	IC	1	
IC3102	SN74LS221NS	IC	1	
IC3150	C0ABFB000012	IC	1	
IC3151	C0ABEB000023	IC	1	
IC3152	C0FBAF000042	IC	1	
IC3153	C0JBAZ001437	IC	1	
IC3154	C0JBAA000261	IC	1	
IC3200	C0JBAA000261	IC	1	
IC3201	CXD2024AQ	IC	1	C1AB00000468
IC3202	C0JBAA000261	IC	1	
IC3300	SN74LV04APW	IC	1	C0JBAB000247
IC3301	SN74LS221NS	IC	1	
IC3302	C0ABFB000012	IC	1	
IC3304,05	C0JBAR000111	IC	2	
IC3350	NJM319V	IC	1	
IC3351,52	NJM1496V	IC	2	
IC3400	AN91A12S	IC	1	
IC3450	C0JBAC000158	IC	1	
IC3451	C0JBAB000354	IC	1	
IC3452	C0JBAF000250	IC	1	
IC3453,54	SN74LS221NS	IC	2	
IC3455	C0ABEB000023	IC	1	
IC3456	C0JBAR000111	IC	1	
IC3457	C0JBAZ001003	IC	1	
IC3530	C0JBAS000075	IC	1	
IC3531	C0ABFB000012	IC	1	
IC3532	C0FBAF000042	IC	1	
IC3533	C0ABEB000023	IC	1	
IC3534	C0ABGB000013	IC	1	
IC3600	C0JBAS000075	IC	1	
IC3601	C0ZBZ0000569	IC	1	
IC3602	C0ABFB000012	IC	1	
IC3603	C0ABEB000023	IC	1	
IC3604	C0FBAF000042	IC	1	
IC3700	C0JBAS000075	IC	1	
IC3701	C0ZBZ0000569	IC	1	
IC3702	C0ABFB000012	IC	1	
IC3703	C0ABEB000023	IC	1	
IC3704	C0FBAF000042	IC	1	
IC3800	M62370GP	IC	1	C0FBBD000082
IC3820	C1ZBZ0002123	IC	1	
IC3821	C0JBAA000261	IC	1	
IC3822	AK6440AF	IC	1	
IC3823,24	C0JBAZ001437	IC	2	
IC3870	74LCX244MTCX	IC	1	C0JBAZ000545
IC3871	C0JBAZ001003	IC	1	
IC3900,01	C0JBAZ001121	IC	2	
IC3902	C0JBAZ001137	IC	1	
IC3950	C0JBAZ001003	IC	1	
ID3950	VVVSI3933	SOFTWARE	1	
IP3950	C1ZBZ0001555	IC	1	
L3001	VLF1151A132	COIL	1	
L3004	VLF1151A132	COIL	1	
L3153	G1C101K00022	COIL 100UH	1	
L3155	G1C101K00022	COIL 100UH	1	
L3253,54	VLQ0163J180	COIL 18UH	2	G1C180J00001
L3255,56	VLQ0163J220	COIL 22UH	2	
L3257	VLQ0163J270	COIL 27UH	1	
L3258	VLQ0163J6R8	COIL 6.8UH	1	G1C6R8J00007
L3259	VLQ0163J5R6	COIL 5.6UH	1	
L3353	VLQ0163J470	COIL 47UH	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
L3354,55	VLQ0163J680	COIL 68UH	2	
L3402	VLQ0133J471	COIL 470UH	1	G1C471J00001
L3450	VLQ0319K470	COIL 47UH	1	G1C470K00013
L3533	VLQ0133J821	COIL 820UH	1	
L3535	G1C101K00022	COIL 100UH	1	
L3603	VLQ0133J821	COIL 820UH	1	
L3605	G1C101K00022	COIL 100UH	1	
L3703	VLQ0133J821	COIL 820UH	1	
L3705	G1C101K00022	COIL 100UH	1	
P3001	K1KA96B00032	CONNECTOR (MALE)	1	
P3950	K1KA08B00147	CONNECTOR (FEMALE)	1	
Q3100	2SB709A	TRANSISTOR	1	
Q3101	2SD601A	TRANSISTOR	1	
Q3102	XN4501	TRANSISTOR-RESISTOR	1	
Q3150	2SD601A	TRANSISTOR	1	
Q3151	2SC3130	TRANSISTOR	1	
Q3152	2SB709A	TRANSISTOR	1	
Q3153-55	2SD601A	TRANSISTOR	3	
Q3156	2SK198-R	TRANSISTOR	1	2SK01980R
Q3250,51	2SD601A	TRANSISTOR	2	
Q3252,53	2SB709A	TRANSISTOR	2	
Q3254,55	2SD601A	TRANSISTOR	2	
Q3256,57	2SC3130	TRANSISTOR	2	
Q3258-60	2SD601A	TRANSISTOR	3	
Q3261	2SB709A	TRANSISTOR	1	
Q3300	2SD601A	TRANSISTOR	1	
Q3350-58	2SD601A	TRANSISTOR	9	
Q3450	2SC3757-R	TRANSISTOR	1	
Q3451,52	2SA1226E34	TRANSISTOR	2	
Q3453	2SC3757-R	TRANSISTOR	1	
Q3454	2SC2295	TRANSISTOR	1	
Q3500-02	XN0460100L	TRANSISTOR-RESISTOR	3	
Q3503	XN0121300L	TRANSISTOR-RESISTOR	1	
Q3504	2SC3757-R	TRANSISTOR	1	
Q3530	2SD601A	TRANSISTOR	1	
Q3531,32	2SB709A	TRANSISTOR	2	
Q3535	2SB709A	TRANSISTOR	1	
Q3536	2SD601A	TRANSISTOR	1	
Q3539	2SK198-R	TRANSISTOR	1	2SK01980R
Q3540	2SD1979	TRANSISTOR	1	
Q3600	2SD601A	TRANSISTOR	1	
Q3601	2SB709A	TRANSISTOR	1	
Q3602	2SD601A	TRANSISTOR	1	
Q3603	2SB709A	TRANSISTOR	1	
Q3604	2SD601A	TRANSISTOR	1	
Q3605	2SC3130	TRANSISTOR	1	
Q3606,07	2SD601A	TRANSISTOR	2	
Q3608	2SK198-R	TRANSISTOR	1	2SK01980R
Q3609	2SD601A	TRANSISTOR	1	
Q3610	2SD1979	TRANSISTOR	1	
Q3700	2SD601A	TRANSISTOR	1	
Q3701	2SB709A	TRANSISTOR	1	
Q3702	2SD601A	TRANSISTOR	1	
Q3703	2SB709A	TRANSISTOR	1	
Q3704	2SD601A	TRANSISTOR	1	
Q3705	2SC3130	TRANSISTOR	1	
Q3706,07	2SD601A	TRANSISTOR	2	
Q3708	2SK198-R	TRANSISTOR	1	2SK01980R
Q3709	2SD601A	TRANSISTOR	1	
Q3710	2SD1979	TRANSISTOR	1	
R3100	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3101	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3102	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R3103	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3104,05	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R3106	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R3107	ERJ3GEYJ564	M.RESISTOR CH 1/16W 560K	1	
R3108	ERJ3GEYJ391	M.RESISTOR CH 1/16W 390	1	
R3109	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R3110	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
R3111	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3112	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R3113	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	1	
R3114	ERJ3RBD331	M.RESISTOR CH 1/16W 330	1	
R3115	ERJ3GEYJ684	M.RESISTOR CH 1/16W 680K	1	
R3116	ERJ3GEYJ753	M.RESISTOR CH 1/16W 75K	1	
R3117	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R3118	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R3119	ERJ3RBD473	M.RESISTOR CH 1/16W 47K	1	
R3120	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R3121	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R3122	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R3123,24	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	2	
R3125	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3150	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R3151	ERJ3GEYJ394	M.RESISTOR CH 1/16W 390K	1	
R3152	ERJ3GEYJ334	M.RESISTOR CH 1/16W 330K	1	
R3153	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3154	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3155	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R3156	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R3157	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3160	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3163	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3164	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3165	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	1	
R3166	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3167	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R3168	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3169	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R3171-73	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	3	
R3175	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R3176	ERJ3RBD561	M.RESISTOR CH 1/16W 560	1	
R3177	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R3178	ERJ3RBD132	M.RESISTOR CH 1/16W 1.3K	1	
R3179	ERJ3RBD133	M.RESISTOR CH 1/16W 13K	1	
R3180	ERJ3RBD471	M.RESISTOR CH 1/16W 470	1	
R3181	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R3184	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3201	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3204	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3206	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R3207	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
R3208	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R3209	ERJ3RBD621	M.RESISTOR CH 1/16W 620	1	
R3210	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
R3211	ERJ3RBD272	M.RESISTOR CH 1/16W 2.7K	1	
R3212	ERJ3RBD821	M.RESISTOR CH 1/16W 820	1	
R3213	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3214,15	ERJ3RBD221	M.RESISTOR CH 1/16W 220	2	
R3250,51	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	2	
R3252	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3253	ERJ3GEYJ271	M.RESISTOR CH 1/16W 270	1	
R3254,55	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3256,57	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R3258,59	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	2	
R3260,61	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R3262,63	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	2	
R3264	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3265	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3266	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3267	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3275,76	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R3278	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R3279-81	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	3	
R3282	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	1	
R3283	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3284	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	1	
R3285	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3286	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R3287	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3288	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R3289	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3290	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3291	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R3292	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3293	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R3300	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R3301	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3303	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3304	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R3305	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R3306	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3308	ERJ3GEYJ123	M.RESISTOR CH 1/16W 12K	1	
R3309	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R3310	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3313	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R3317	ERJ3GEYJ394	M.RESISTOR CH 1/16W 390K	1	
R3318	ERJ3GEYJ684	M.RESISTOR CH 1/16W 680K	1	
R3320	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3321	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R3322	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3324,25	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R3326	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R3327	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R3328	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3329,30	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R3332-35	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	4	
R3350	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3351	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3352	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3353	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R3354	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3355	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R3356	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R3357	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3358,59	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R3360,61	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R3362	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R3363	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3364,65	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R3366	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R3367	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3368,69	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	2	
R3370-73	ERJ3GEYJ121	M.RESISTOR CH 1/16W 120	4	
R3374	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3375	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R3376	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R3377	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R3378	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R3379	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R3380	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3381	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3382,83	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	2	
R3384,85	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R3386,87	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R3388	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R3390-92	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	3	
R3393	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3394,95	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	2	
R3396	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3397	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R3398	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3400	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3401	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3402	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R3404	ERJ3GEYJ224	M.RESISTOR CH 1/16W 220K	1	
R3405	ERJ3GEYJ684	M.RESISTOR CH 1/16W 680K	1	
R3406-08	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	D0GB103JA002
R3450	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R3451	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R3452	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3453	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R3454	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3455	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3456	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3457	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R3458	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3459	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3460	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R3461	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3462	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R3463	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R3467	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R3468,69	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	2	
R3470	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R3471	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R3472,73	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	2	
R3474	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R3475,76	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R3478	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R3479	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R3480	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R3481	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R3482,83	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R3484	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R3485-89	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	5	
R3500-02	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	3	
R3503-05	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	3	
R3506	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3507,08	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	2	
R3509-11	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	3	
R3512	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R3513	ERJ3RBD391	M.RESISTOR CH 1/16W 390	1	
R3514	ERJ3RBD562	M.RESISTOR CH 1/16W 5.6K	1	
R3515	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R3516	ERJ3RBD101	M.RESISTOR CH 1/16W 100	1	
R3517	ERJ3RBD473	M.RESISTOR CH 1/16W 47K	1	
R3518	ERJ3RBD391	M.RESISTOR CH 1/16W 390	1	
R3519	ERJ3RBD821	M.RESISTOR CH 1/16W 820	1	
R3520,21	ERJ3RED680	M.RESISTOR CH 1/16W 68	2	
R3522	ERJ3RBD821	M.RESISTOR CH 1/16W 820	1	
R3530	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R3531	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3532	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R3533	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3534	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R3535	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3536	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3537	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3538	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R3539	ERJ3GEYJ181	M.RESISTOR CH 1/16W 180	1	
R3540	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	1	
R3541	ERJ3GEYJ394	M.RESISTOR CH 1/16W 390K	1	
R3542	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R3545	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R3546	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R3547	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3551	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	
R3554,55	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R3556	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	
R3557	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3560,61	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R3563	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R3564	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R3565	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3567	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R3568	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R3569	ERJ3RBD101	M.RESISTOR CH 1/16W 100	1	
R3570	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R3571	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
R3572	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	1	
R3573	ERJ3RBD393	M.RESISTOR CH 1/16W 39K	1	
R3574	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	
R3575	ERJ3RBD302	M.RESISTOR CH 1/16W 3K	1	
R3576	ERJ3RBD272	M.RESISTOR CH 1/16W 2.7K	1	
R3577	ERJ3RBD152	M.RESISTOR CH 1/16W 1.5K	1	
R3578	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
R3579	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3580	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	
R3581	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R3584	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3600	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R3601	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R3602	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	1	
R3603	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R3604-07	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	4	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R3608	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R3609	ERJ3GEYJ394	M.RESISTOR CH 1/16W 390K	1	
R3610	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R3611	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3612	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3613,14	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	2	
R3615	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3616	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3617	ERJ3GEYJ391	M.RESISTOR CH 1/16W 390	1	
R3619	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	
R3620	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3623	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3624	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3626	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3627	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3628	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3629	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R3630	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3631	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	1	
R3632,33	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R3634	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3635	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R3636	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R3637	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R3638	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R3639	ERJ3RBD101	M.RESISTOR CH 1/16W 100	1	
R3641	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R3642,43	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R3644	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	
R3645	ERJ3RBD302	M.RESISTOR CH 1/16W 3K	1	
R3646	ERJ3RBD272	M.RESISTOR CH 1/16W 2.7K	1	
R3647	ERJ3RBD152	M.RESISTOR CH 1/16W 1.5K	1	
R3648	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3649	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	
R3650	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R3700	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R3701	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R3702	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	1	
R3703	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R3704-07	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	4	
R3708	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R3709	ERJ3GEYJ394	M.RESISTOR CH 1/16W 390K	1	
R3710	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R3711	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3712	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3713,14	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	2	
R3715	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3716	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3717	ERJ3GEYJ391	M.RESISTOR CH 1/16W 390	1	
R3719	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	
R3720	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3723	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3724	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3726	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3727	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3728	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3729	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R3730	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3731	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	1	
R3732,33	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R3734	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3735	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R3736	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R3737	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R3738	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R3739	ERJ3RBD101	M.RESISTOR CH 1/16W 100	1	
R3741	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R3742,43	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R3744	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	
R3745	ERJ3RBD302	M.RESISTOR CH 1/16W 3K	1	
R3746	ERJ3RBD272	M.RESISTOR CH 1/16W 2.7K	1	
R3747	ERJ3RBD152	M.RESISTOR CH 1/16W 1.5K	1	
R3748	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3749	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	
R3750	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R3800-02	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	D0GB103JA002
R3803-05	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	3	
R3820	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3821	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R3822	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3829	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R3831	D1H84734A008	COMBI.R-R 47K	1	
R3832	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R3833	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R3834,35	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R3836	D1H810240001	COMBI.R-R 1K	1	
R3870	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3871,72	D1H810140001	COMBI.R-R 100	2	
R3874	D1H833040002	COMBI.R-R 33	1	
R3875-77	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	3	
R3900	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3901,02	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R3903,04	D1H84734A008	COMBI.R-R 47K	2	
R3950	D1H810240001	COMBI.R-R 1K	1	
R3951	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3952	D0GZ103J0001	M.RESISTOR CH 10K	1	
TG3302	EYF6CU	TEST POINT	1	
TG3451	EYF6CU	TEST POINT	1	
TG3531	EYF6CU	TEST POINT	1	
TG3820	EYF6CU	TEST POINT	1	
TP3300,01	EYF6CU	TEST POINT	2	
TP3450	EYF6CU	TEST POINT	1	
TP3821,22	EYF6CU	TEST POINT	2	
TP3824	EYF6CU	TEST POINT	1	
TP3870,71	EYF6CU	TEST POINT	2	
VC3450	VCV0047	TRIMMER	1	
VR3300	EVMEGSA00B53	V.RESISTOR 5K	1	
VR3301	EVMEGSA00B13	V.RESISTOR 1K	1	
VR3450	EVMEGSA00B23	V.RESISTOR 2K	1	
X3300	VSX0338	CRYSTAL OSCILLATOR	1	H1C1435A0002
		MISCELLANEOUS		
	VML2143	CARD PULLER	1	
	VML2144	CARD PULLER	1	

ELECTRICAL REPLACEMENT PARTS LIST (AJ-YA932G)

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
■	VEP83594A	V IN P.C.BOARD	1	(RTL)
C3001-06	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	6	
C3007	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3008	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3009	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3010	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3011	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3012	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3013,14	EEVHB0J470	E.CAPACITOR 6.3V 47U	2	
C3015-17	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C3018	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3019-27	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	9	
C3028	EEVHB1C470	E.CAPACITOR 16V 47U	1	
C3029	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3030	EEVHB1C470	E.CAPACITOR 16V 47U	1	
C3031	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3032-38	EEVHB0J470	E.CAPACITOR 6.3V 47U	7	
C3039-53	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	15	
C3054-60	EEVHB0J470	E.CAPACITOR 6.3V 47U	7	
C3061	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3062	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3063-69	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	7	
C3070	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3071	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3072-76	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	5	
C3102-04	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C3105	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	1	F1K1C105A026
C3106	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3108,09	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3110	EEVHB1H4R7	E.CAPACITOR 50V 4.7U	1	
C3111	ECHU1H683JB	P.CAPACITOR 50V 0.068U	1	
C3112	ECUX1H471JCV	C.CAPACITOR CH 50V 470P	1	
C3113	ECUX1H821JCV	C.CAPACITOR CH 50V 820P	1	
C3114	EEVHB0J330	E.CAPACITOR 6.3V 33U	1	
C3115	ECUX1H561JCV	C.CAPACITOR CH 50V 560P	1	
C3116	ECHU1C392JA	P.CAPACITOR 16V 3900P	1	
C3117	ECUM1C334KBM	C.CAPACITOR CH 16V 0.33U	1	
C3118	ECUX1H221JCV	C.CAPACITOR CH 50V 220P	1	
C3119	ECHU1C152JA5	P.CAPACITOR 16V 1500P	1	
C3120	ECUX1C684KBM	C.CAPACITOR CH 16V 0.68U	1	
C3121	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C3122,23	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3124	EEVHB0J330	E.CAPACITOR 6.3V 33U	1	
C3125	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3152	EEVHB1C470	E.CAPACITOR 16V 47U	1	
C3157,58	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3159	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	1	
C3160	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	
C3163	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C3165-67	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C3168	ECUX1H180JCV	C.CAPACITOR CH 50V 18P	1	
C3169-77	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	9	
C3179,80	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3182	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3183,84	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3204	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3205	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C3206-12	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	7	
C3213	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C3214-19	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	6	
C3253-55	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C3256	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	1	
C3257	ECUX1H100DCV	C.CAPACITOR CH 50V 10P	1	
C3258	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	1	
C3259	ECUX1H100DCV	C.CAPACITOR CH 50V 10P	1	
C3260,61	ECUX1H080DCV	C.CAPACITOR CH 50V 8P	2	
C3262-65	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C3270	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3272	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3273	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C3274	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	1	
C3275	ECUX1H271JCV	C.CAPACITOR CH 50V 270P	1	
C3276	ECUX1H220JCV	C.CAPACITOR CH 50V 22P	1	
C3278	ECUX1H070DCV	C.CAPACITOR CH 50V 7P	1	
C3279	ECUX1H121JCV	C.CAPACITOR CH 50V 120P	1	
C3280,81	ECUX1H100DCV	C.CAPACITOR CH 50V 10P	2	
C3282	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	1	
C3283-86	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C3300	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	
C3302	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3303	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3306,07	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3308	ECUX1H331JCV	C.CAPACITOR CH 50V 330P	1	
C3309,10	ECUX1H222KBV	C.CAPACITOR CH 50V 2200P	2	
C3311	ECUX1H221JCV	C.CAPACITOR CH 50V 220P	1	
C3312-15	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C3316	ECUM1C474KBM	C.CAPACITOR CH 16V 0.47U	1	
C3317	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C3318,19	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3356-59	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	4	
C3360	ECUX1H390JCV	C.CAPACITOR CH 50V 39P	1	
C3361-65	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	5	
C3366,67	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	2	
C3368,69	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3370	ECUX1H220JCV	C.CAPACITOR CH 50V 22P	1	
C3371,72	ECUX1H180JCV	C.CAPACITOR CH 50V 18P	2	
C3373,74	ECUX1H040CCV	C.CAPACITOR CH 50V 4P	2	
C3375,76	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3377,78	ECUX1H680JCV	C.CAPACITOR CH 50V 68P	2	
C3381,82	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3400	EEVHB1C470	E.CAPACITOR 16V 47U	1	
C3401	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3404	ECUX1H270JCV	C.CAPACITOR CH 50V 27P	1	
C3405	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C3406,07	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3411	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C3412	ECUX1H820JCV	C.CAPACITOR CH 50V 82P	1	
C3413,14	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	2	
C3450	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C3451	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C3452	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3453	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C3454	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3455	ECUX1H681JCV	C.CAPACITOR CH 50V 680P	1	
C3456	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C3457	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3458	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C3459	ECUX1H271JCV	C.CAPACITOR CH 50V 270P	1	
C3460	ECUX1H471JCV	C.CAPACITOR CH 50V 470P	1	
C3461	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C3462	ECUX1H820JCV	C.CAPACITOR CH 50V 82P	1	
C3463	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3464	ECUX1H151JCV	C.CAPACITOR CH 50V 150P	1	
C3465	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3466	ECUX1H680JCV	C.CAPACITOR CH 50V 68P	1	
C3467	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3468	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	1	F1K1C105A026
C3469	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3470,71	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	2	
C3472	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	1	F1K1C105A026
C3473	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3474	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C3475	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3476	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C3477-79	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C3505-07	EEVHB0J101	E.CAPACITOR 6.3V 100U	3	
C3508-13	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	6	
C3536	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3538	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3539	EEVHB1C470	E.CAPACITOR 16V 47U	1	
C3540,41	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3542	ECUX1H270JCV	C.CAPACITOR CH 50V 27P	1	
C3543	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C3546	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C3547	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3549-51	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C3552	ECUX1H331JCV	C.CAPACITOR CH 50V 330P	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C3553	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3554	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C3555-62	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	8	
C3564	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3606	EEVHB1C470	E.CAPACITOR 16V 47U	1	
C3607	ECUX1H150JCV	C.CAPACITOR CH 50V 15P	1	
C3608	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3609	ECUM1H680JCN	C.CAPACITOR CH 50V 68P	1	
C3610	EEVHB1C470	E.CAPACITOR 16V 47U	1	
C3611-14	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C3615	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C3618	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C3619	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	1	
C3620	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3621	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C3622,23	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3624	ECUX1H331JCV	C.CAPACITOR CH 50V 330P	1	
C3625	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C3626-34	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	9	
C3636	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3706	EEVHB1C470	E.CAPACITOR 16V 47U	1	
C3707	ECUX1H150JCV	C.CAPACITOR CH 50V 15P	1	
C3708	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3709	ECUM1H680JCN	C.CAPACITOR CH 50V 68P	1	
C3710	EEVHB1C470	E.CAPACITOR 16V 47U	1	
C3711-14	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C3715	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C3718	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C3719	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	1	
C3720	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3721	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C3722,23	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3724	ECUX1H331JCV	C.CAPACITOR CH 50V 330P	1	
C3725	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C3726-34	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	9	
C3736	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3803-05	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C3820	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3821	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C3822-27	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	6	
C3828	ECJ1VC1H560J	C.CAPACITOR CH 50V 560P	1	
C3829-35	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	7	
C3837	ECUX1H070DCV	C.CAPACITOR CH 50V 7P	1	
C3870,71	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3900	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C3901-03	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C3950-52	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
D3001-04	MA704A	DIODE	4	
D3100	MA142K	DIODE	1	
D3150	MA3J14300L	DIODE	1	
D3300	MA3J14300L	DIODE	1	
D3350	MA142K	DIODE	1	
D3400	MA142WK	DIODE	1	
D3450	MA142K	DIODE	1	
D3451	MA335-R	DIODE	1	
D3530	MA3J14300L	DIODE	1	
D3600	MA3J14300L	DIODE	1	
D3700	MA3J14300L	DIODE	1	
DL3450	VLD0264	COIL	1	G2A7R9C00001
FL3100	VLF1015	FILTER	1	
FL3530	VLF1179	FILTER	1	
FL3600	VLF1476	FILTER	1	J0E3504B0004
FL3700	VLF1476	FILTER	1	J0E3504B0004
IC3001-04	AN77L03M	IC	4	
IC3005	AN77L05M	IC	1	
IC3006,07	NJM78L09UA	IC	2	C0CBAHC00002
IC3008-14	AN77L05M	IC	7	
IC3015-21	C0CBBDB00004	IC	7	
IC3022	C0CBAAB00021	IC	1	
IC3100	C0JBAS000075	IC	1	
IC3101	AN3296S	IC	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
IC3102	SN74LS221NS	IC	1	
IC3150	C0ABFB000012	IC	1	
IC3151	C0ABEB000023	IC	1	
IC3152	C0FBAF000042	IC	1	
IC3153	C0JBAZ001437	IC	1	
IC3154	C0JBAA000261	IC	1	
IC3200	C0JBAA000261	IC	1	
IC3201	CXD2024AQ	IC	1	C1AB00000468
IC3202	C0JBAA000261	IC	1	
IC3300	SN74LV04APW	IC	1	C0JBAB000247
IC3301	SN74LS221NS	IC	1	
IC3302	C0ABFB000012	IC	1	
IC3303	C0ABEB000023	IC	1	
IC3304-06	C0JBAR000111	IC	3	
IC3350	NJM319V	IC	1	
IC3351,52	NJM1496V	IC	2	
IC3400	AN91A12S	IC	1	
IC3450	C0JBAC000158	IC	1	
IC3451	C0JBAB000354	IC	1	
IC3452	C0JBAF000250	IC	1	
IC3453,54	SN74LS221NS	IC	2	
IC3455	C0ABEB000023	IC	1	
IC3456	C0JBAR000111	IC	1	
IC3457	C0JBAZ001003	IC	1	
IC3530	C0JBAS000075	IC	1	
IC3531	C0ABFB000012	IC	1	
IC3532	C0FBAF000042	IC	1	
IC3533	C0ABEB000023	IC	1	
IC3534	AD8055AR	IC	1	C0ABGB000013
IC3600	C0JBAS000075	IC	1	
IC3601	C0ZBZ0000569	IC	1	
IC3602	C0ABFB000012	IC	1	
IC3603	C0ABEB000023	IC	1	
IC3604	C0FBAF000042	IC	1	
IC3700	C0JBAS000075	IC	1	
IC3701	C0ZBZ0000569	IC	1	
IC3702	C0ABFB000012	IC	1	
IC3703	C0ABEB000023	IC	1	
IC3704	C0FBAF000042	IC	1	
IC3800	M62370GP	IC	1	C0FBBD000082
IC3820	C1ZBZ0002123	IC	1	
IC3821	C0JBAA000261	IC	1	
IC3822	AK6440AF	IC	1	
IC3823,24	C0JBAZ001437	IC	2	
IC3870	74LCX244MTCX	IC	1	C0JBAZ000545
IC3871	C0JBAZ001003	IC	1	
IC3900,01	C0JBAZ001121	IC	2	
IC3902	C0JBAZ001137	IC	1	
IC3950	C0JBAZ001003	IC	1	
ID3950	VVVSI3879	SOFTWARE	1	
IP3950	C1ZBZ0001555	IC	1	
L3001	VLF1151A132	COIL	1	
L3004	VLF1151A132	COIL	1	
L3153	G1C101K00022	COIL 100UH	1	
L3155	G1C101K00022	COIL 100UH	1	
L3253,54	VLQ0163J180	COIL 18UH	2	G1C180J00001
L3255,56	VLQ0163J220	COIL 22UH	2	
L3257	VLQ0163J270	COIL 27UH	1	
L3258	VLQ0163J6R8	COIL 6.8UH	1	G1C6R8J00007
L3259	VLQ0163J5R6	COIL 5.6UH	1	
L3353	VLQ0163J470	COIL 47UH	1	
L3354,55	VLQ0163J560	COIL 56UH	2	
L3402	VLQ0133J391	COIL 390UH	1	
L3450	VLQ0319K470	COIL 47UH	1	G1C470K00013
L3533	VLQ0133J821	COIL 820UH	1	
L3535	G1C101K00022	COIL 100UH	1	
L3603	VLQ0133J821	COIL 820UH	1	
L3605	G1C101K00022	COIL 100UH	1	
L3703	VLQ0133J821	COIL 820UH	1	
L3705	G1C101K00022	COIL 100UH	1	
P3001	K1KA96B00032	CONNECTOR (MALE)	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
P3950	K1KA08B00147	CONNECTOR (FEMALE)	1	
Q3100	2SB709A	TRANSISTOR	1	
Q3101	2SD601A	TRANSISTOR	1	
Q3102	XN4501	TRANSISTOR-RESISTOR	1	
Q3150	2SD601A	TRANSISTOR	1	
Q3151	2SC3130	TRANSISTOR	1	
Q3152	2SB709A	TRANSISTOR	1	
Q3153-55	2SD601A	TRANSISTOR	3	
Q3156	2SK198-R	TRANSISTOR	1	2SK01980R
Q3250,51	2SD601A	TRANSISTOR	2	
Q3252,53	2SB709A	TRANSISTOR	2	
Q3254,55	2SD601A	TRANSISTOR	2	
Q3256,57	2SC3130	TRANSISTOR	2	
Q3258-60	2SD601A	TRANSISTOR	3	
Q3261	2SB709A	TRANSISTOR	1	
Q3300,01	2SD601A	TRANSISTOR	2	
Q3350-58	2SD601A	TRANSISTOR	9	
Q3450	2SC3757-R	TRANSISTOR	1	
Q3451,52	2SA1226E34	TRANSISTOR	2	
Q3453	2SC3757-R	TRANSISTOR	1	
Q3454	2SC2295	TRANSISTOR	1	
Q3500-02	XN0460100L	TRANSISTOR-RESISTOR	3	
Q3530	2SD601A	TRANSISTOR	1	
Q3531,32	2SB709A	TRANSISTOR	2	
Q3535	2SB709A	TRANSISTOR	1	
Q3536	2SD601A	TRANSISTOR	1	
Q3539	2SK198-R	TRANSISTOR	1	2SK01980R
Q3600	2SD601A	TRANSISTOR	1	
Q3601	2SB709A	TRANSISTOR	1	
Q3602	2SD601A	TRANSISTOR	1	
Q3603	2SB709A	TRANSISTOR	1	
Q3604	2SD601A	TRANSISTOR	1	
Q3605	2SC3130	TRANSISTOR	1	
Q3606,07	2SD601A	TRANSISTOR	2	
Q3608	2SK198-R	TRANSISTOR	1	2SK01980R
Q3609	2SD601A	TRANSISTOR	1	
Q3700	2SD601A	TRANSISTOR	1	
Q3701	2SB709A	TRANSISTOR	1	
Q3702	2SD601A	TRANSISTOR	1	
Q3703	2SB709A	TRANSISTOR	1	
Q3704	2SD601A	TRANSISTOR	1	
Q3705	2SC3130	TRANSISTOR	1	
Q3706,07	2SD601A	TRANSISTOR	2	
Q3708	2SK198-R	TRANSISTOR	1	2SK01980R
Q3709	2SD601A	TRANSISTOR	1	
R3100	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3101	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3102	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R3103	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3104,05	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R3106	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R3107	ERJ3GEYJ564	M.RESISTOR CH 1/16W 560K	1	
R3108	ERJ3GEYJ391	M.RESISTOR CH 1/16W 390	1	
R3109	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R3110	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
R3111	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3112	ERJ3GEYJ511	M.RESISTOR CH 1/16W 510	1	
R3113	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	1	
R3114	ERJ3RBD331	M.RESISTOR CH 1/16W 330	1	
R3115	ERJ3GEYJ684	M.RESISTOR CH 1/16W 680K	1	
R3116	ERJ3GEYJ753	M.RESISTOR CH 1/16W 75K	1	
R3117	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R3118	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R3119	ERJ3RBD473	M.RESISTOR CH 1/16W 47K	1	
R3120	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R3121	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R3122	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R3123,24	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	2	
R3125	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3150	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R3151	ERJ3GEYJ394	M.RESISTOR CH 1/16W 390K	1	
R3152	ERJ3GEYJ334	M.RESISTOR CH 1/16W 330K	1	
R3153	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R3154	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3155	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R3156	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R3157	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3160	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3163	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3164	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3165	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	1	
R3166	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3167	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R3168	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3169	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R3171-73	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	3	
R3175	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R3176	ERJ3RBD561	M.RESISTOR CH 1/16W 560	1	
R3177	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R3178	ERJ3RBD132	M.RESISTOR CH 1/16W 1.3K	1	
R3179	ERJ3RBD133	M.RESISTOR CH 1/16W 13K	1	
R3180	ERJ3RBD471	M.RESISTOR CH 1/16W 470	1	
R3181	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R3184	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3200	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3204	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3206	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R3207	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
R3208	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R3209	ERJ3RBD621	M.RESISTOR CH 1/16W 620	1	
R3210	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
R3211	ERJ3RBD272	M.RESISTOR CH 1/16W 2.7K	1	
R3212	ERJ3RBD821	M.RESISTOR CH 1/16W 820	1	
R3213	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3214,15	ERJ3RBD221	M.RESISTOR CH 1/16W 220	2	
R3250,51	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	2	
R3252	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3253	ERJ3GEYJ271	M.RESISTOR CH 1/16W 270	1	
R3254,55	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3256,57	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R3258,59	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	2	
R3260,61	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R3262,63	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	2	
R3264	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3265	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3266	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3267	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3275,76	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R3278	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R3279-81	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	3	
R3282	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	1	
R3283	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3284	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	1	
R3285	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3286	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R3287	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3288	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R3289	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3290	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3291	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R3292	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3293	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3300	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R3301	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3303	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3304	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R3305	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3306	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3308	ERJ3GEYJ123	M.RESISTOR CH 1/16W 12K	1	
R3309	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R3310,11	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R3313	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	
R3314	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3315	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R3316	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R3317	ERJ3GEYJ394	M.RESISTOR CH 1/16W 390K	1	
R3318	ERJ3GEYJ684	M.RESISTOR CH 1/16W 680K	1	
R3319	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R3320	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3321	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R3322	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3323-25	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	D0GB103JA002
R3326	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R3327	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R3328	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3329,30	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R3332-35	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	4	
R3350	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3351	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3352	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3353	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R3354	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3355	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R3356	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R3357	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3358,59	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R3360,61	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R3362	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R3363	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3364,65	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R3366	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R3367	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3368,69	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	2	
R3370-73	ERJ3GEYJ121	M.RESISTOR CH 1/16W 120	4	
R3374	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3375	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R3376	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R3377	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R3378	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R3379	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R3380	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3381	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3382,83	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	2	
R3384,85	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R3386,87	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R3388	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R3390-92	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	3	
R3393	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3394,95	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	2	
R3396	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3397	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R3398	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3400	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3401	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3402	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R3404	ERJ3GEYJ224	M.RESISTOR CH 1/16W 220K	1	
R3405	ERJ3GEYJ684	M.RESISTOR CH 1/16W 680K	1	
R3406-08	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	D0GB103JA002
R3450	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R3451	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R3452	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3453	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R3454	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3455	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3456	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3457	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R3458	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3459	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3460	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R3461	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3462	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	1	
R3463	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R3467	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R3468,69	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	2	
R3470	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R3471	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R3472,73	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	2	
R3474	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R3475,76	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R3478	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R3479	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R3480	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R3481	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R3482,83	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R3484	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R3485-89	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	5	
R3500-02	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	3	
R3503-05	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	3	
R3506	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3507,08	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	2	
R3509-11	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	3	
R3513	ERJ3RBD391	M.RESISTOR CH 1/16W 390	1	
R3516	ERJ3RBD101	M.RESISTOR CH 1/16W 100	1	
R3518	ERJ3RBD391	M.RESISTOR CH 1/16W 390	1	
R3530	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R3531	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3532	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R3533	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3534	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R3535	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3536	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3537	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3538	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R3539	ERJ3GEYJ181	M.RESISTOR CH 1/16W 180	1	
R3540	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	1	
R3541	ERJ3GEYJ394	M.RESISTOR CH 1/16W 390K	1	
R3542	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R3545	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R3546	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R3547	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3551	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	
R3554,55	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R3556	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	
R3557	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3560,61	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R3563	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R3564	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R3565	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3567	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R3568	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R3569	ERJ3RBD101	M.RESISTOR CH 1/16W 100	1	
R3570	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R3571	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
R3572	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	1	
R3573	ERJ3RBD393	M.RESISTOR CH 1/16W 39K	1	
R3574	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	
R3575	ERJ3RBD302	M.RESISTOR CH 1/16W 3K	1	
R3576	ERJ3RBD272	M.RESISTOR CH 1/16W 2.7K	1	
R3577	ERJ3RBD152	M.RESISTOR CH 1/16W 1.5K	1	
R3579	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3600	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R3601	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R3602	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	1	
R3603	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R3604-07	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	4	
R3608	ERJ3GEYJ271	M.RESISTOR CH 1/16W 270	1	
R3609	ERJ3GEYJ394	M.RESISTOR CH 1/16W 390K	1	
R3610	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R3611	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3612	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3613,14	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	2	
R3615	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3616	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3617	ERJ3GEYJ391	M.RESISTOR CH 1/16W 390	1	
R3619	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	
R3620	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3623	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3624	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3626	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3627	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3628	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3629	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R3630	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3631	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	1	
R3632,33	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R3634	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3635	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R3636	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R3637	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R3638	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R3639	ERJ3RBD101	M.RESISTOR CH 1/16W 100	1	
R3641	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R3642,43	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R3644	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	
R3645	ERJ3RBD302	M.RESISTOR CH 1/16W 3K	1	
R3646	ERJ3RBD272	M.RESISTOR CH 1/16W 2.7K	1	
R3647	ERJ3RBD152	M.RESISTOR CH 1/16W 1.5K	1	
R3648	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3700	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R3701	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R3702	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	1	
R3703	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R3704-07	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	4	
R3708	ERJ3GEYJ271	M.RESISTOR CH 1/16W 270	1	
R3709	ERJ3GEYJ394	M.RESISTOR CH 1/16W 390K	1	
R3710	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R3711	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3712	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3713,14	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	2	
R3715	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3716	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3717	ERJ3GEYJ391	M.RESISTOR CH 1/16W 390	1	
R3719	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	
R3720	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3723	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3724	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3726	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3727	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3728	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3729	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R3730	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3731	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	1	
R3732,33	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R3734	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3735	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R3736	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R3737	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R3738	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R3739	ERJ3RBD101	M.RESISTOR CH 1/16W 100	1	
R3741	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R3742,43	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R3744	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	
R3745	ERJ3RBD302	M.RESISTOR CH 1/16W 3K	1	
R3746	ERJ3RBD272	M.RESISTOR CH 1/16W 2.7K	1	
R3747	ERJ3RBD152	M.RESISTOR CH 1/16W 1.5K	1	
R3748	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3800-02	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	D0GB103JA002
R3803-05	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	3	
R3820	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3821	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R3822	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3829	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R3831	D1H84734A008	COMBI.R-R 47K	1	
R3832	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R3833	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R3834,35	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R3836	D1H810240001	COMBI.R-R 1K	1	
R3870	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3871,72	D1H810140001	COMBI.R-R 100	2	
R3874	D1H833040002	COMBI.R-R 33	1	
R3875-77	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	3	
R3900	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3901,02	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R3903,04	D1H84734A008	COMBI.R-R 47K	2	
R3950	D1H810240001	COMBI.R-R 1K	1	
R3951	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3952	D0GZ103J0001	M.RESISTOR CH 10K	1	
TG3302	EYF6CU	TEST POINT	1	
TG3451	EYF6CU	TEST POINT	1	
TG3531	EYF6CU	TEST POINT	1	
TG3820	EYF6CU	TEST POINT	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
TP3300,01	EYF6CU	TEST POINT	2	
TP3450	EYF6CU	TEST POINT	1	
TP3821,22	EYF6CU	TEST POINT	2	
TP3824	EYF6CU	TEST POINT	1	
TP3870,71	EYF6CU	TEST POINT	2	
VC3450	VCV0047	TRIMMER	1	
VR3300	EVMEGSA00B53	V.RESISTOR 5K	1	
VR3301	EVMEGSA00B13	V.RESISTOR 1K	1	
VR3450	EVMEGSA00B23	V.RESISTOR 2K	1	
X3300	H1C1775A0002	CRYSTAL OSCILLATOR	1	
		MISCELLANEOUS		
	VML2143	CARD PULLER	1	
	VML2144	CARD PULLER	1	

ELECTRICAL REPLACEMENT PARTS LIST (AJ-YAC930G)

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
■ E1	VEP83595A	SDTI P.C.BOARD	1	(RTL)
■ E1	VEP83595A	SDTI P.C.BOARD	1	(RTL)
C3000	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3001,02	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3003	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3004	EEFCD0J470R	E.CAPACITOR 6.3V 47U	1	
C3005,06	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3100-02	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C3103	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C3104-07	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C3108	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3109	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C3200,01	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3202	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C3203	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C3204-06	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	3	
C3207	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C3208	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C3209	ECUX1H153KBV	C.CAPACITOR CH 50V 0.015U	1	
C3210	ECUX1H040CCV	C.CAPACITOR CH 50V 4P	1	
C3211	ECUX1H472KBV	C.CAPACITOR CH 50V 4700P	1	
C3212	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C3213-15	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	3	
C3221	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C3222	ECUX1H222KBV	C.CAPACITOR CH 50V 2200P	1	
C3223	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3227	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C3228	ECUX1E223KBV	C.CAPACITOR CH 25V 0.023U	1	
C3229	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3230,31	EEVHB1C470P	E.CAPACITOR 16V 47U	2	
C3233	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C3300,01	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3302	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C3304-06	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C3307	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C3308,09	F1J1C105A091	C.CAPACITOR CH 16V 1U	2	
C3310	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C3400	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C3401-23	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	23	
C3425	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
D3202	MA142WA	DIODE	1	
IC3000	C0CBAAG00010	IC	1	
IC3100,01	C0JBAZ001121	IC	2	
IC3102	C0JBAZ001137	IC	1	
IC3103,04	C0JBAZ001728	IC	2	
IC3105	C0JBAZ001121	IC	1	
IC3106	C0CBABE00013	IC	1	
IC3200	C0CBADC00063	IC	1	
IC3201	C1AB00001385	IC	1	
IC3204	C1AB00001651	IC	1	
IC3205	C0CBADC00063	IC	1	
IC3300	C0CBADC00063	IC	1	
IC3301	C1AB00001386	IC	1	
IC3400,01	C0JBAZ001121	IC	2	
IC3402	C1ZBZ0002075	IC	1	
IC3403	C0JBAZ001003	IC	1	
IC3404	C3ABQG000041	IC	1	
ID3400	VVVSI3886	SOFTWEAR	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
IP3400	C1ZBZ0001555	IC	1	
J3200	K1QZA1BA0001	CONNECTOR	1	
J3300,01	K1QZA1BA0001	CONNECTOR	2	
L3000	VLF1151A132	COIL	1	
L3200	VLQ0426J015	COIL 15UH	1	
L3300,01	VLQ0426J010	COIL 1UH	2	
P3000	K1KA96B00032	CONNECTOR (MALE)	1	
P3400	K1KA08B00147	CONNECTOR (FEMALE)	1	
R3100,01	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R3102	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3103,04	D1H84734A008	COMBI.R-R 47K	2	
R3105	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3106-09	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	4	
R3110	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3111	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R3112,13	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	2	
R3114	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3115,16	D1H833040002	COMBI.R-R 33	2	
R3117,18	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R3120,21	D0GZ220J0001	M.RESISTOR CH 22	2	
R3200	ERJ3RED750	M.RESISTOR CH 1/16W 75	1	
R3201	ERJ3RED390	M.RESISTOR CH 1/16W 39	1	
R3202,03	ERJ3RED750	M.RESISTOR CH 1/16W 75	2	
R3204	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3205	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R3206	ERJ3GEYJ123	M.RESISTOR CH 1/16W 12K	1	
R3208	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3212	ERJ3EKF3650	M.RESISTOR CH 1/16W 3.6M	1	
R3213	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3216,17	ERJ3RED910	M.RESISTOR CH 1/16W 91	2	
R3223	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R3224	ERJ3RBD683	M.RESISTOR CH 1/16W 68K	1	
R3226-28	D1H810140001	COMBI.R-R 100	3	
R3229	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3230,31	ERJ3RED910	M.RESISTOR CH 1/16W 91	2	
R3300	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3301	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R3302	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3304	ERJ3EKF3740	M.RESISTOR CH 1/16W 370K	1	
R3306	ERJ3RED510	M.RESISTOR CH 1/16W 51	1	
R3307-10	ERJ6RED750	M.RESISTOR CH 1/10W 75	4	
R3400	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3401,02	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R3403	D1H810240001	COMBI.R-R 1K	1	
R3405	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3406	D1H810240001	COMBI.R-R 1K	1	
R3407	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3408	D0GZ103J0001	M.RESISTOR CH 10K	1	
R3411	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3412-14	D1H810140001	COMBI.R-R 100	3	
R3415	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3420	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
		MISCELLANEOUS		
	VML2143	CARD PULLER	1	
	VML2144	CARD PULLER	1	